

# Protein microarray analysis identifies human cellular prion protein interactors

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**Aims:** To obtain an insight into the function of cellular prion protein (PrPC), we studied PrPC-interacting proteins (PrPIPs) by analysing a protein microarray. **Methods:** We identified 47 novel PrPIPs by probing an array of 5000 human proteins with recombinant human PrPC spanning amino acid residues 23–231 named PR209. **Results:** The great majority of 47 PrPIPs were annotated as proteins involved in the recognition of nucleic acids. Coimmunoprecipitation and cell imaging in a transient expression system validated the interaction of PR209 with neuronal PrPIPs, such as FAM64A, HOXA1, PLK3 and MPG. However, the interaction did not generate proteinase K-resistant proteins. KeyMolnet, a bioinformatics tool for

analysing molecular interaction on the curated knowledge database, revealed that the complex molecular network of PrPC and PrPIPs has a significant relationship with AKT, JNK and MAPK signalling pathways. **Conclusions:** Protein microarray is a useful tool for systematic screening and comprehensive profiling of the human PrPC interactome. Because the network of PrPC and interactors involves signalling pathways essential for regulation of cell survival, differentiation, proliferation and apoptosis, these observations suggest a logical hypothesis that dysregulation of the PrPC interactome might induce extensive neurodegeneration in prion diseases.

**Keywords:** cellular prion protein, KeyMolnet, protein microarray, protein–protein interaction

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## Introduction

Prion diseases are a group of neurodegenerative disorders affecting both animals and humans [1,2]. The great majority of prion diseases are transmissible, and characterized by intracerebral accumulation of an abnormal prion protein (PrPSc) that is identical in amino acid sequence to the cellular isoform (PrPC) encoded by the *PRNP* gene. PrPC is expressed widely in neural and non-neural tissues at the highest level in neurones in the central nervous system (CNS) [3]. PrPSc differs biochemi-

cally from PrPC by its  $\beta$  sheet-enriched structure, detergent insolubility, limited proteolysis by proteinase K, a slower turnover rate and infectivity. Previous studies suggested that the protein conformational conversion of  $\alpha$ -helix-rich PrPC into  $\beta$  sheet-rich PrPSc involves a homotypic interaction between endogenous PrPC and incoming or *de novo* generated PrPSc via a post-translational process mediated by as yet unidentified species-specific auxiliary factor(s) named 'protein X' [4,5].

At present, the biological function of PrPC remains largely unknown. Several lines of PrPC-deficient mice were established independently by different gene-targeting strategies [6–8]. All of them exhibited normal early development and complete protection against scrapie infection. These observations indicate that PrPC is dispensable for embryonic development, but is pivotal for inducing prion

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diseases. Several *in vitro* studies suggested a role of PrPC in neuritogenesis [9,10], neuronal cell adhesion [11] and a receptor for neurotrophic factors [12]. More consistently, many studies indicated that an octapeptide repeat region of PrPC with a copper-binding capacity exhibits an antioxidant activity [13]. However, none of previous findings provided an adequate explanation for mild phenotypes of PrPC-deficient mice.

A number of previous studies, by employing mainly the yeast two-hybrid (Y2H) screening system, identified a wide variety of PrPC-interacting proteins (PrPIPs). They include synapsin I [14], glial fibrillary acidic protein [15], amyloid precursor-like protein 1 [16], heat shock protein Hsp60 [17–19], the Hsp cofactor STI-1 [20], the antiapoptotic molecule Bcl-2 [21], signal-transducing adapters such as Grb2 [14], ZAP70 [22] and 14-3-3 [23], neurotrophin receptor interacting MAGC homolog [24], tubulin [25], heterogeneous ribonuclear protein A2/B1 [26], casein kinase 2 [27], plasminogen [28], laminin receptor precursor [29], laminin [9] and vitronectin [30]. Most of these molecules play a key role in signal-transducing events essential for neuronal function. However, none of them could serve as the chaperone 'protein X'.

The Y2H system is a powerful approach to identify novel protein–protein interactions. However, Y2H screening requires a lot of time and effort, and is often criticized for detecting the interactions unrelated to the physiological setting, and obtaining high rates of false positive interactors caused by spontaneous activation of reporter genes and self-activating bait proteins [31,32]. Recently, protein microarray technology has been established for rapid, systematic and less expensive screening of thousands of protein–protein interactions in a high-throughput fashion [33,34]. The array includes numerous protein targets of various functional classes immobilized on a single glass slide. The protein microarray has important applications in the areas not only of basic biological research on a whole-proteome scale, but also of drug discovery research of target identification [35,36].

In order to establish a therapeutic intervention targeted on prion propagation, it is essential to clarify the biological function of PrPC and the pathological implication of PrPSc, and equally important to identify all human PrPIPs, some of which potentially serve as a candidate for 'protein X'. The present study was designed to identify a comprehensive profile of the human PrPC interactome by analysing a high-density protein microarray, and to obtain an insight into the PrPC–PrPIPs network.

## Materials and methods

### Preparation of a V5-tagged PrP probe for microarray analysis

Human embryonic kidney cells HEK293, whose genome was modified for the Flp-In system (Flp-In 293; Invitrogen, Carlsbad, CA), contain a single Flp recombination target (FRT) site targeted for the site-specific recombination, integrated in a transcriptionally active locus of the genome, where it stably expresses the *lacZ*–Zeocin fusion gene driven from the pFRT/*lacZeo* plasmid under the control of SV40 early promoter. The cells were maintained in Dulbecco's modified Eagle's medium supplemented with 10% foetal bovine serum, 100 U/ml penicillin and 100 µg/ml streptomycin (feeding medium) with inclusion of 100 µg/ml zeocin, as described previously [37].

To prepare the probe for protein microarray analysis, the gene encoding a truncated form of human PrPC spanning amino acid residues 23–231 named PR209 was amplified by polymerase chain reaction (PCR) using Pfu-Turbo DNA polymerase (Stratagene, La Jolla, CA) and the primer sets listed in Table S1 online. The PCR product was then cloned into a mammalian expression vector pSecTag/FRT/V5-His TOPO (Invitrogen) to produce a fusion protein with a C-terminal V5 tag, a C-terminal polyhistidine (6xHis) tag and an N-terminal Ig κ-chain secretion signal. This vector, together with the Flp recombinase expression vector pOG44 (Invitrogen), was transfected in Flp-In 293 cells by Lipofectamine 2000 reagent (Invitrogen). A stable cell line was established after incubating the transfected cells for 1 month in the feeding medium with inclusion of 100 µg/ml hygromycin B. In this system, the recombinant protein was secreted into the culture medium after the Ig κ-chain secretion signal sequence was processed by an endogenous signal peptidase-mediated cleavage.

To purify the V5-tagged PR209 protein, the serum-free culture supernatant was harvested, and concentrated at a 1/40 volume by centrifugation on an Amicon Ultra-15 filter (Millipore, Bedford, MA). It was then purified by the HIS-select spin column (Sigma, St. Louis, MO), and concentrated at a 1/10 volume by centrifugation on a Centricon-10 filter (Millipore). The protein concentration was determined by a Bradford assay kit (Bio-Rad, Hercules, CA). The purity and specificity of the probe were verified by Western blot analysis using mouse monoclonal anti-V5 antibody (Invitrogen), mouse monoclonal anti-

PrP antibody 3F4 (Dako, Tokyo, Japan) and rabbit polyclonal antibody C20 specific for the sequence close to the C-terminus of PrPC (Santa Cruz Biotechnology, Santa Cruz, CA). To determine the status of glycosylation, 5 µg of the probe protein was deglycosylated by incubating it at 37°C for 1.5 h with 5000 U peptide N-glycosidase F (New England BioLabs, Beverly, MA), followed by separation on the gel [37].

### Protein microarray analysis

The present study utilized the ProtoArray human protein microarray v3.0 (Invitrogen). It contains approximately 5000 recombinant GST-tagged human proteins expressed by the baculovirus expression system and purified under native conditions by using glutathione affinity chromatography to ensure the preservation of native structure, post-translational modifications and proper functionality of target proteins [36,38]. They were spotted in duplicate on a nitrocellulose-coated glass slide. The target proteins cover a wide range of biologically important proteins selected from the human ultimate open reading frame (ORF) clone collection (Invitrogen). The probe is spatially accessible to all parts of target proteins on the array, which protrude from the glass slide surface via the N-terminal GST fusion tag serving as a spacer. The complete list is shown in Table S2 online. The proteins are spotted in an arrangement of 4 × 12 subarrays equally spaced in vertical and horizontal directions. Each subarray includes 20 × 20 spots, composed of 76 positive and negative control spots (C), 222 human target proteins (H), and 102 blanks and empty spots (B) (Figure 1b). The 14 positive control spots include four of an Alexa Fluor 647-labelled antibody (row 1, columns 1, 2; row 14, columns 13, 14), six of a concentration gradient of a biotinylated anti-mouse antibody with a capacity to bind to mouse monoclonal anti-V5 antibody conjugated with Alexa Fluor 647 (row 14, columns 15–20), and four of a concentration gradient of V5 protein (row 15, columns 5–8). The 62 negative control spots include six of a concentration gradient of bovine serum albumin (BSA) (row 1, columns 3–8), four of a concentration gradient of a rabbit anti-GST antibody (row 1, columns 9–12), four of a concentration gradient of calmodulin (row 1, columns 13–16), 16 of a concentration gradient of GST (row 1, columns 17–20; row 2, columns 1–12), 10 of buffer only (row 15, columns 1, 2, 9–16), eight of human IgG subclasses (row 15, columns 17–20; row 16, columns 1–4),

12 of Invitrogen internal controls (row 4, columns 9, 10; row 6, columns 15–18; row 7, columns 9, 10, 15, 16; row 8, columns 13, 14), and two of an antibiotin antibody (row 15, columns 3, 4).

Non-specific binding was blocked by incubating the array for 90 min in the PBST blocking buffer composed of 1% BSA and 0.1% Tween 20 in phosphate-buffered saline (PBS). Then, it was incubated for 30 min at 4°C with the probe described above at a concentration of 200 µg/ml in the probing buffer composed of 1% BSA, 5 mM MgCl<sub>2</sub>, 0.5 mM dithiothreitol, 0.05% Triton X-100 and 5% glycerol in PBS. The array was washed three times with the probing buffer, and then incubated for 30 min at 4°C with mouse monoclonal anti-V5 antibody labelled with Alexa Fluor 647 (Invitrogen) at a concentration of 260 ng/ml in the probing buffer. Then, the array was washed three times with the probing buffer, and scanned by the GenePix 4200 A scanner (Axon Instruments, Union City, CA) at a wavelength of 635 nm. The data were analysed by using the ProtoArray Prospector software v3.0 (Invitrogen), following acquisition of the microarray lot-specific information, which compensates inter-lot variations in protein concentrations identified by the post-printing quality control. According to the manufacturer-recommended setting of the ProtoArray Prospector software, the spots showing the background-subtracted signal intensity value greater than the median plus three standard deviations of all the fluorescence intensities were considered as having significant interactions. The Z-score, an indicator for statistical significance of binding specificity, was calculated as the background-subtracted signal intensity value of the target protein minus the average of the background-subtracted signal intensity value from the negative control distribution, divided by the standard deviation of the negative control distribution.

### Bioinformatics analysis

The gene expression pattern of mouse orthologues of PrPIPs in the brain was searched on the Allen Brain Atlas database [39], an anatomically comprehensive digital atlas containing the expression patterns of more than 20 000 genes in the adult mouse brain analysed by high-throughput *in situ* hybridization methods (<http://www.brain-map.org>).

The interaction of PrPC with PrPIPs was searched on the Biomolecular Interaction Network database (BIND) (<http://bond.unleashedinformatics.com>). Functional

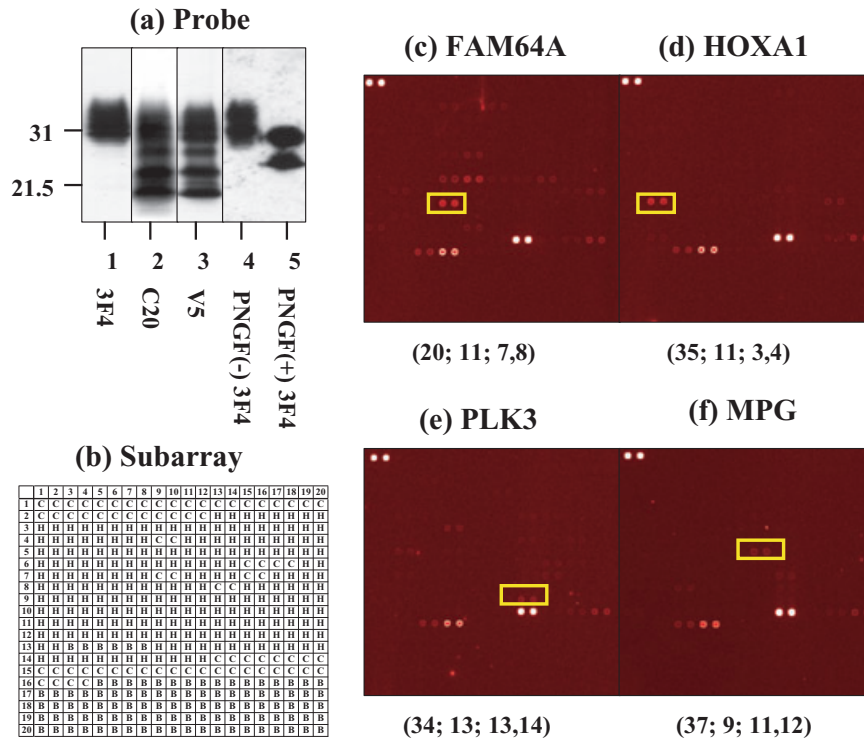


**Figure 1.** Protein microarray analysis. (a) Western blot of PR209 probe. The lanes (1–5) represent the immunolabelling with the antibodies following: (1) 3F4, (2) C20, (3) V5, (4) 3F4 before treatment with peptide N-glycosidase F (PNGase F) and (5) 3F4 after treatment with PNGase F. (b) The layout of subarray. The high-density protein microarray (5000 proteins, duplicate spots each) utilized in the present study contains  $4 \times 12$  subarrays. Each subarray includes  $20 \times 20$  spots. They are composed of 76 control spots (C) including 14 positive and 62 negative control spots, 222 human target proteins (H) and 102 blanks and empty spots (B), as described in *Materials and methods*. (c) FAM64A. The spot location is subarray 20, row 11, columns 7, 8. (d) HOXA1. Subarray 35, row 11, columns 3, 4. (e) PLK3. Subarray 34, row 13, columns 13, 14. (f) MPG. Subarray 37, row 9, columns 11, 12. PR209 interactors located on different subarrays (c–f) are indicated by an enclosed yellow line. It is worthy to note that in each subarray, positive control spots composed of an Alexa Fluor 647-labelled antibody (row 1, columns 1, 2; row 14, columns 13, 14), a concentration gradient of a biotinylated anti-mouse antibody with a capacity to bind to mouse monoclonal anti-V5 antibody conjugated with Alexa Fluor 647 (row 14, columns 15–20; signals visible on the higher concentration), and a concentration gradient of V5 protein (row 15, columns 5–8; signals visible on the higher concentration) are identified as positive, whereas negative control spots composed of a concentration gradient of BSA (row 1, columns 3–8), a concentration gradient of a rabbit anti-GST antibody (row 1, columns 9–12), a concentration gradient of calmodulin (row 1, columns 13–16), a concentration gradient of GST (row 1, columns 17–20; row 2, columns 1–12), buffer only (row 15; columns 1, 2, 9–16), human IgG subclasses (row 15, columns 17–20; row 16, columns 1–4), Invitrogen internal controls (row 4, columns 9, 10; row 6, columns 15–18; row 7, columns 9, 10, 15, 16; row 8, columns 13, 14), and an antibiotin antibody (row 15, columns 3, 4) are found as negative.

annotation of PrPIPs was searched by the web-accessible program named Database for Annotation, Visualization and Integrated Discovery (DAVID) version 2007, National Institute of Allergy and Infectious Diseases, National Institutes of Health (NIH) (<http://david.abcc.ncifcrf.gov>) [40]. It covers more than 40 annotation categories, including Gene Ontology terms, protein–protein interactions, protein functional domains, disease associations, biological pathways, sequence general features, homologs, gene functional summaries and tissue expressions. By importing the list of Entrez gene IDs of PrPIPs, this program creates the functional annotation chart, an

annotation term-focused view that lists annotation terms and their associated genes under study. To avoid excessive counting of duplicated genes, the Fisher's exact statistics is calculated based on corresponding DAVID gene IDs by which all redundancies in original IDs are removed.

The molecular network of PrPIPs was analysed by the software named KeyMolnet (Institute of Medicinal Molecular Design, Tokyo, Japan) [41]. It operates on a comprehensive knowledge database, composed of information on relationships among human genes, molecules, diseases, pathways and drugs, carefully curated by expert biologists from review articles, literature and public

databases. They are categorized into the core contents collected from selected review articles with the highest reliability or the secondary contents extracted from abstracts of PubMed database and Human Reference Protein database.

By importing the list of Entrez gene IDs, KeyMolnet automatically provides corresponding molecules as a node on networks [41,42]. Among various network-searching algorithms, the 'N-points to N-points' search extracts the molecular network with the shortest route connecting the starting-point molecules and the end-point molecules. The generated network was compared side by side with 346 human canonical pathways of the KeyMolnet library. The algorithm counting the number of overlapping molecular relations between the extracted network and the canonical pathway makes it possible to identify the canonical pathway showing the most significant contribution to the extracted network. The significance in the similarity between both is scored following the formula, where  $O$  = the number of overlapping molecular relations between the extracted network and the canonical pathway,  $V$  = the number of molecular relations located in the extracted network,  $C$  = the number of molecular relations located in the canonical pathway,  $T$  = the number of total molecular relations (approximately 90 000 sets) and  $X$  = the sigma variable that defines incidental agreements.

$$\text{score} = -\log_2 \left( \sum_{x=O}^{\text{Min}(C,V)} f(x) \right)$$

$$f(x) = {}_C C_X \cdot {}_T C_C C_{V-x} / {}_T C_V$$

### Immunoprecipitation and Western blot analysis

PR209, the N-terminal half of PR209 (amino acid residues 23–121), the C-terminal half of PR209 (amino acid residues 122–231), and the ORF of family with sequence similarity 64, member A (FAM64A), polo-like kinase 3 (PLK3), N-methylpurine-DNA glycosylase (MPG) and homeobox A1 (HOXA1) were amplified by PCR using Pfu-Turbo DNA polymerase and the primer sets listed in Table S1 online. They were then cloned into the mammalian expression vector p3XFLAG-CMV7.1 (Sigma) or pCMV-Myc (Clontech, Mountain View, CA) to express a fusion protein with an N-terminal Flag or Myc tag. At 48 h after co-transfection of the vectors, HEK293 cells were homogenized in M-PER lysis buffer (Pierce, Rockford, IL) supplemented with a cocktail of protease inhibitors (Sigma). In limited experiments, a proteasome inhibitor MG-132 (Merck-Calbiochem, Tokyo, Japan) was added at

a final concentration of 10  $\mu$ M in the culture medium during the last 24 h before harvest. After preclearance, the supernatant was incubated at 4°C for 3 h with mouse monoclonal anti-Flag M2 affinity gel (Sigma), rabbit polyclonal anti-Myc-conjugated agarose (Sigma) or the same amount of normal mouse or rabbit IgG-conjugated agarose (Santa Cruz Biotechnology). After several washes, the immunoprecipitates were processed for Western blot analysis using rabbit polyclonal anti-Myc antibody (Sigma) and mouse monoclonal anti-FLAG M2 antibody (Sigma). The specific reaction was visualized using a chemiluminescence substrate (Pierce).

To determine the proteinase K-resistant property of PR209, the cells were homogenized in M-PER lysis buffer without inclusion of protease inhibitors. The protein extract was then incubated at 37°C for 30 min with 5  $\mu$ g/ml recombinant proteinase K (Roche Diagnostics, Mannheim, Germany), followed by adding phenylmethylsulphonyl fluoride at a final concentration of 5 mM, according to the methods described previously [43]. Proteins were precipitated by adding 6% trichloroacetic acid. After centrifugation at 4°C for 15 min at 16 100 g, the pellets were washed with cold acetone, and processed for Western blot analysis using 3F4 antibody.

To determine the detergent-insoluble property of PR209, the cells were homogenized in a lysis buffer containing 100 mM NaCl, 10 mM EDTA, 10 mM Tris (pH 7.4), 0.5% Nonidet P-40 and 0.5% sodium deoxycholate, according to the methods described previously [44]. The lysate was centrifuged at 4°C for 10 min at 2000 g to remove debris. Then, the supernatant was further centrifuged at 4°C for 1 h at 16 100 g to separate detergent-soluble (supernatant) and detergent-insoluble (pellet) fractions. They were processed for Western blot analysis using 3F4 antibody. HRP-conjugated secondary antibodies were obtained from Santa Cruz Biotechnology.

### Cell imaging analysis

PR209 and the ORF of FAM64A, PLK3, MPG and HOXA1 were amplified by PCR using PfuTurbo DNA polymerase and the primer sets listed in Table S1 online. They were then cloned into the mammalian expression vector pDsRed-Express-C1 (Clontech), pEYFP-C1 (Clontech), pcDNA3.1/NT/GFP-TOPO (Invitrogen) or pcDNA3.1/CT/GFP-TOPO (Invitrogen) to express a fusion protein with an N-terminal or C-terminal DsRed, EYFP or GFP tag. At 24–48 h after co-transfection of the vectors, the cells were

fixed briefly in 4% paraformaldehyde, mounted on slides with glycerol-polyvinyl alcohol, and examined on the Olympus BX51 universal microscope.

### Human neural cell lines and cultures

Human astrocytes (AS) in culture were established from neuronal progenitor (NP) cells of human foetal brain (Cambrex, Walkersville, MD). For the induction of neuronal differentiation, NTERA2 cells maintained in the undifferentiated state (NTERA2-U) were incubated for 4 weeks in feeding medium containing  $10^{-5}$  M *all trans* retinoic acid (Sigma), replated twice and then plated on a surface coated with Matrigel Basement Membrane Matrix (Becton Dickinson, Bedford, MA). They were incubated for another 2 weeks in feeding medium containing a cocktail of mitotic inhibitors, resulting in the enrichment of differentiated neurones (NTERA2-N), as described previously [45]. Human microglia cell line HMO6 was provided by Dr Seung U. Kim, Division of Neurology, University of British Columbia, Vancouver, B.C., Canada. Total RNA of the human frontal cerebral cortex was obtained from Clontech.

### Reverse transcription-PCR analysis

DNase-treated total cellular RNA was processed for cDNA synthesis using oligo(dT)<sub>12-18</sub> primers and SuperScript II reverse transcriptase (Invitrogen). Then, cDNA was amplified by PCR using HotStar Taq DNA polymerase (Qiagen, Valencia, CA) and a panel of primer sets listed in Table S1 online. The amplification program consisted of an initial denaturing step at 95°C for 15 min, followed by a denaturing step at 94°C for 1 min, an annealing step at 60°C for 40 s and an extension step at 72.9°C for 50 s for 30–35 cycles, except for the glyceraldehyde-3-phosphate dehydrogenase (G3PDH), an internal control, amplified for 27 cycles.

## Results

### Protein microarray analysis identified 47 novel PrPC interactors

To analyse the human protein microarray, V5-tagged PR209 probe was purified from the supernatant of a stable cell line secreting the recombinant protein in the culture medium. By Western blot analysis, the probe was

composed of a mixture of glycosylated full-length and N-terminally truncated forms of PrPC (Figure 1a, lanes 1–5). The 18.5-kDa protein identified by C20 but not by 3F4 represents the C-terminal fragment produced by constitutive metalloprotease-mediated cleavage [46]. Among total 5000 proteins on the array, 47 were identified as the proteins showing significant interaction with the probe (Table 1). They include FAM64A (Figure 1c), HOXA1 (Figure 1d), casein kappa (CSN3), bromodomain adjacent to zinc finger domain, 2B (BAZ2B), chromosome 7 ORF 50 (C7orf50), surfeit 2 (SURF2), sodium channel modifier 1 (SCNM1), chromosome 18 ORF 56 (C18orf56), PLK3 (Figure 1e), RNA binding motif protein 22 (RBM22), hypothetical protein DKFZp761B107, MPG (Figure 1f), zinc finger protein 192 (ZNF192), thymic stromal lymphopoietin (TSLP), DEAD box polypeptide 47 (DDX47), MAP/microtubule affinity-regulating kinase 4 (MARK4), zinc finger protein 408 (ZNF408), TBP-like 1 (TBPL1), activator of basal transcription 1 (ABT1), ribosomal protein L41 (RPL41), zinc finger protein 740 (ZNF740), CWC15 homolog, four and a half LIM domains 1 (FHL1), amyotrophic lateral sclerosis 2 chromosome region, candidate 4 (ALS2CR4), immediate early response 3 (IER3), KIAA1191, peptidyl-tRNA hydrolase 1 homolog (PTRH1), phosphodiesterase 4D interacting protein (PDE4DIP), Rho GTPase activating protein 15 (ARHGAP15), mitochondrial GTPase 1 homolog (MTG1), cirrhosis, autosomal recessive 1 A (CIRH1A), eukaryotic translation initiation factor 2C, 1 (EIF2C1), WD repeat domain 5 (WDR5), centaurin, alpha 2 (CENTA2), protein phosphatase 1, regulatory subunit 14 A (PP1R14 A), cold inducible RNA binding protein (CIRBP), zinc finger, FYVE domain containing 28 (ZFYVE28), within bgcn homolog (WIBG), nucleolar protein family A, member 2 (NOLA2), PTPRF interacting protein, binding protein 2 (PPFIBP2), family with sequence similarity 27, member E3 (FAM27E3), fibroblast growth factor 13 (FGF13), apoptosis-inducing factor, mitochondrion-associated, 3 (AIFM3), 2',3'-cyclic nucleotide 3' phosphodiesterase (CNP), NIN1/RPN12 binding protein 1 homolog (NOB1), RNA-binding region containing 3 (RNPC3) and dual-specificity tyrosine-phosphorylation regulated kinase 3 (DYRK3). The gene expression pattern of PrPC interactors (PrPIPs) in the adult brain analysed by *in situ* hybridization was searched on the Allen Brain Atlas database [39]. Among 47 PrPIPs, at least 35 mouse orthologues (74%) were expressed in various regions of the adult mouse brain (Table 1). The expression pattern of the remaining

**Table 1.** PrPC-interacting proteins (PrPIPs) identified by protein microarray analysis

| No. | Entrez<br>gene ID | Gene<br>symbol | Gene<br>name                                       | Putative molecular function                                                                                                                                       | Block | Row | Column | Z-score  | Gene expression<br>in adult mouse<br>brain (region<br>with the highest<br>expression level) |
|-----|-------------------|----------------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|--------|----------|---------------------------------------------------------------------------------------------|
| 1   | 54478             | FAM64A         | Family with sequence<br>similarity 64, member A    | A protein with the DUF1466 domain of<br>unknown function                                                                                                          | 20    | 11  | 7, 8   | 21.89656 | Unknown                                                                                     |
| 2   | 3198              | HOXA1          | Homeobox A1                                        | A transcription factor that regulates the<br>placement of hindbrain segments in the<br>proper location along the<br>anterior–posterior axis during<br>development | 35    | 11  | 3, 4   | 18.36074 | Yes (CB)                                                                                    |
| 3   | 1448              | CSN3           | Casein kappa                                       | A milk protein                                                                                                                                                    | 20    | 9   | 9, 10  | 12.58106 | Yes (OLF)                                                                                   |
| 4   | 29994             | BAZ2B          | Bromodomain adjacent to<br>zinc finger domain, 2B  | A component of chromatin remodeling<br>complexes                                                                                                                  | 24    | 10  | 5, 6   | 7.96988  | Yes (MY)                                                                                    |
| 5   | 84310             | C7orf50        | Chromosome 7 open<br>reading frame 50              | A hypothetical protein of unknown<br>function                                                                                                                     | 21    | 11  | 9, 10  | 6.7938   | Unknown                                                                                     |
| 6   | 6835              | SURF2          | Surfeit 2                                          | The housekeeping gene of unknown<br>function                                                                                                                      | 15    | 9   | 15, 16 | 6.31368  | Yes (MY)                                                                                    |
| 7   | 79005             | SCN11          | Sodium channel modifier 1                          | A zinc finger protein acting as a premRNA<br>splicing factor                                                                                                      | 18    | 6   | 3, 4   | 6.06453  | Yes (CB and<br>other regions)                                                               |
| 8   | 494514            | C18orf56       | Chromosome 18 open<br>reading frame 56             | A hypothetical protein of unknown<br>function                                                                                                                     | 10    | 10  | 19, 20 | 6.02515  | Unknown                                                                                     |
| 9   | 1263              | PLK3           | Polo-like kinase 3<br>(Drosophila)                 | A serine/threonine kinase that regulates<br>cell cycle progression                                                                                                | 34    | 13  | 13, 14 | 5.94109  | Yes (MY)                                                                                    |
| 10  | 55696             | RBM22          | RNA binding motif protein<br>22                    | A zinc finger protein with the RNA<br>recognition motif of unknown function                                                                                       | 20    | 9   | 7, 8   | 5.67225  | Yes (CB)                                                                                    |
| 11  | 91050             | DKFZp761B107   | Hypothetical protein<br>DKFZp761B107               | A protein with the SMC N-terminal<br>domain of unknown function                                                                                                   | 22    | 12  | 3, 4   | 5.36251  | Unknown                                                                                     |
| 12  | 4350              | MPG            | N-methylpurine-DNA<br>glycosylase                  | A DNA glycosylase acting as a DNA repair<br>enzyme                                                                                                                | 37    | 9   | 11, 12 | 5.16637  | Yes (RHP)                                                                                   |
| 13  | 7745              | ZNF192         | Zinc finger protein 192                            | A Kruppel family zinc finger transcription<br>factor                                                                                                              | 21    | 11  | 13, 14 | 5.12927  | Unknown                                                                                     |
| 14  | 85480             | TSLP           | Thymic stromal<br>lymphopoietin                    | A haemopoietic cytokine that enhances<br>the maturation of dendritic cells                                                                                        | 21    | 10  | 19, 20 | 4.92555  | Yes (RHP)                                                                                   |
| 15  | 51202             | DDX47          | DEAD (Asp-Glu-Ala-Asp)<br>box polypeptide 47       | A member of the DEAD box protein family<br>RNA helicases                                                                                                          | 2     | 11  | 11, 12 | 4.90132  | Yes (MY)                                                                                    |
| 16  | 57787             | MARK4          | MAP/microtubule<br>affinity-regulating kinase<br>4 | A serine/threonine kinase that regulates<br>microtubule organization in neuronal<br>cells                                                                         | 12    | 13  | 5, 6   | 4.38333  | Yes (TH)                                                                                    |
| 17  | 79797             | ZNF408         | Zinc finger protein 408                            | A zinc finger protein with the SFP1<br>domain acting as a transcriptional<br>repressor that regulates cell cycle                                                  | 21    | 11  | 19, 20 | 4.27504  | Unknown                                                                                     |

|    |        |          |                                                                           |                                                                                                                                    |    |    |        |         |            |
|----|--------|----------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----|----|--------|---------|------------|
| 18 | 9519   | TBPL1    | TBP-like 1                                                                | A general transcription factor that regulates spermatogenesis                                                                      | 3  | 12 | 1, 2   | 4.16447 | Yes (OLF)  |
| 19 | 29777  | ABT1     | Activator of basal transcription 1                                        | A basal transcriptional activator                                                                                                  | 36 | 9  | 15, 16 | 3.97136 | Yes (OLF)  |
| 20 | 6171   | RPL41    | Ribosomal protein L41                                                     | A component of the 60S ribosome subunit                                                                                            | 14 | 10 | 7, 8   | 3.9388  | Unknown    |
| 21 | 283337 | ZNF740   | Zinc finger protein 740                                                   | A zinc finger protein of unknown function                                                                                          | 20 | 9  | 15, 16 | 3.88503 | Unknown    |
| 22 | 51503  | CWC15    | CWC15 homolog (S. cerevisiae)                                             | A cell cycle control protein involved in mRNA splicing                                                                             | 19 | 7  | 13, 14 | 3.78582 | Unknown    |
| 23 | 2273   | FHL1     | Four and a half LIM domain 1                                              | A protein with the LIM domain that regulates skeletal muscle differentiation                                                       | 26 | 3  | 11, 12 | 3.75175 | Yes (sAMY) |
| 24 | 65062  | ALS2CR4  | Amiotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 4 | A membrane protein of unknown function                                                                                             | 34 | 7  | 7, 8   | 3.69722 | Yes (RHP)  |
| 25 | 8870   | IER3     | Immediate early response 3                                                | The immediate early gene acting as an antiapoptosis regulator                                                                      | 26 | 10 | 13, 14 | 3.6018  | Yes (CB)   |
| 26 | 57179  | KIAA1191 | KIAA1191                                                                  | A cytoplasmic protein of unknown function                                                                                          | 10 | 10 | 13, 14 | 3.56924 | Unknown    |
| 27 | 138428 | PTRH1    | Peptidyl-rRNA hydrolase 1 homolog (S. cerevisiae)                         | A peptidyl-rRNA hydrolase                                                                                                          | 47 | 10 | 19, 20 | 3.55258 | Yes (CTX)  |
| 28 | 9659   | PDE4DIP  | Phosphodiesterase 4D interacting protein (myomegalin)                     | A protein of the golgi/centrosome that interacts with a cyclic nucleotide phosphodiesterase                                        | 25 | 11 | 1, 2   | 3.54046 | Yes (HIP)  |
| 29 | 55843  | ARHGAP15 | Rho GTPase activating protein 15                                          | A Rho GTPase-activating protein acting as a regulator of RAC1                                                                      | 9  | 6  | 13, 14 | 3.50411 | Yes (CTX)  |
| 30 | 92170  | MTG1     | Mitochondrial GTPase 1 homolog (S. cerevisiae)                            | A mitochondrial GTPase                                                                                                             | 48 | 14 | 7, 8   | 3.49729 | Yes (HIP)  |
| 31 | 84916  | CIRH1A   | Cirrrosis, autosomal recessive 1 A (cirhin)                               | A mitochondrial protein with WD40 repeats of unknown function                                                                      | 14 | 10 | 19, 20 | 3.4511  | Yes (HIP)  |
| 32 | 26523  | EIF2C1   | Eukaryotic translation initiation factor 2C, 1                            | A member of the Argonaute family (AGO1) that plays a role in siRNA-mediated gene silencing                                         | 18 | 11 | 11, 12 | 3.43671 | Yes (HIP)  |
| 33 | 11091  | WDR5     | WD repeat domain 5                                                        | A protein with WD40 repeats that constitutes a component of histone methyltransferase complexes                                    | 20 | 7  | 9, 10  | 3.37083 | Yes (HIP)  |
| 34 | 55803  | CENTA2   | Centaurin, alpha 2                                                        | A plasma membrane GTPase activating protein with PH domains                                                                        | 47 | 12 | 5, 6   | 3.25269 | Yes (MY)   |
| 35 | 94274  | PPP1R14A | Protein phosphatase 1, regulatory (inhibitor) subunit 14 A                | A phosphorylation-dependent inhibitor of smooth muscle myosin phosphatase                                                          | 9  | 5  | 3, 4   | 3.25117 | Yes (MY)   |
| 36 | 1153   | CIRBP    | Cold-inducible RNA binding protein                                        | A cold stress-inducible protein with the RNA recognition motif that plays a role in cold-induced suppression of cell proliferation | 16 | 10 | 3, 4   | 3.22391 | Yes (CTX)  |

**Table 1.** (Continued)

| No. | Entrez gene ID | Gene symbol | Gene name                                                         | Putative molecular function                                                                                                                | Block | Row | Column | Z-score | Gene expression in adult mouse brain (region with the highest expression level) |
|-----|----------------|-------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|--------|---------|---------------------------------------------------------------------------------|
| 37  | 57732          | ZFYVE28     | Zinc finger, FYVE domain containing 28                            | An endosomal protein with the FYVE domain that targets proteins to membrane lipids via interaction with PI3P                               | 12    | 10  | 11,12  | 3.20574 | Yes (CB and other regions)                                                      |
| 38  | 84305          | WIBG        | Within bgcn homolog (Drosophila)                                  | A protein with the Mogo-bind domain of unknown function                                                                                    | 43    | 9   | 15,16  | 3.19741 | Yes (OLF)                                                                       |
| 39  | 55651          | NOLA2       | Nucleolar protein family A, member 2 (H/ACA small nucleolar RNPs) | A member of the H/ACA snoRNPs gene family that regulates rRNA processing and modification                                                  | 15    | 6   | 15,16  | 3.155   | Yes (OLF)                                                                       |
| 40  | 8495           | PPFIBP2     | PTPRF interacting protein, binding protein 2 (lprln beta 2)       | A protein with SAM domains acting as a scaffold for recruitment and anchoring of LAR family PTPases                                        | 47    | 12  | 11,12  | 3.13682 | Yes (MY)                                                                        |
| 41  | 286301         | FAM27E3     | Family with sequence similarity 27, member E3                     | A protein of unknown function                                                                                                              | 14    | 11  | 9,10   | 3.11032 | Unknown                                                                         |
| 42  | 2258           | FGF13       | Fibroblast growth factor 13                                       | A member of the FGF family that plays a role in neuronal development                                                                       | 35    | 11  | 17,18  | 3.1035  | Yes (HIP)                                                                       |
| 43  | 150209         | AIFM3       | Apoptosis-inducing factor, mitochondrion-associated, 3            | A mitochondrial protein with the Rieske domain and the pyridine nucleotide-disulphide oxidoreductase domain acting as an apoptosis inducer | 42    | 10  | 15,16  | 3.09063 | Unknown                                                                         |
| 44  | 1267           | CNP         | 2',3'-cyclic nucleotide 3' phosphodiesterase                      | A cyclic nucleotide phosphodiesterase serving as a marker of myelin                                                                        | 20    | 10  | 19,20  | 3.07624 | Yes (CB and other regions)                                                      |
| 45  | 28987          | NOB1        | NIN1/RPN12 binding protein 1 homolog (S. cerevisiae)              | A protein with the PUN domain and the zinc ribbon domain acting as a ribonuclease                                                          | 14    | 11  | 17,18  | 3.06336 | Yes (CB and other regions)                                                      |
| 46  | 55599          | RNPC3       | RNA-binding region (RNP1, RRM) containing 3                       | A nuclear protein with RNA recognition motifs that constitutes a component of the U12-type spliceosome                                     | 9     | 8   | 19,20  | 3.01035 | Yes (OLF)                                                                       |
| 47  | 8444           | DYRK3       | Dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3  | A DYRK family dual-specificity protein kinase that regulates caveolae trafficking                                                          | 20    | 13  | 9,10   | 3.00278 | Yes (HIP)                                                                       |

Among 5000 proteins on the microarray, 47 were identified as the proteins showing a significant interaction. They are listed with Entrez Gene ID, gene symbol, gene name, molecular function, the position on the array, the Z-score and the information on gene expression in the adult mouse brain, including the region with the highest expression level on the sagittal plane of the Allen Brain Atlas.

CB, cerebellum; CTX, cerebral cortex; HIP, hippocampal region; MY, medulla oblongata; OLF, olfactory bulb; sAMY, striatum-like amygdalar nuclei; TH, thalamus; RHP, retrohippocampal region.

12 genes in the adult mouse brain is currently unknown. Thus, the expression of PrPIPs is enriched in the adult mouse brain, suggesting the possible interaction of these with PrPC that is expressed broadly at high levels in neurones of the adult rodent CNS [3]. The BIND database search indicated that none of 47 PrPIPs were classified into previously reported PrPC-interacting partners.

We did not detect any negative control spots as positive, including those of BSA, calmodulin, GST, a rabbit anti-GST antibody, human IgG subclasses, an antibiotin antibody and buffer-only control, whereas we identified a battery of positive control spots as positive, such as those of an Alexa Fluor 647-labelled antibody, a biotinylated anti-mouse antibody binding to Alexa Fluor 647-conjugated anti-V5 antibody and V5 protein (Figure 1, panels b–f). The protein microarray we utilized includes only three previously reported PrPC-binding partners, such as glial fibrillary acidic protein [15], tubulin [25] and casein kinase 2 [27] (see Table S2). However, we could not identify them as a significant PrPC interactor in the present study.

### Human neurones in culture expressed mRNA of PrPC interactors

Because PrPC *in vivo* is expressed at the highest level in neurones in the CNS, it is important to identify the cell types expressing PrPIPs. By reverse transcription (RT)-PCR analysis, the transcripts coding for PRNP and PR209-interacting proteins, such as FAM64A, PLK3 and MPG, were expressed widely in various human neural and non-neural cell lines (Figure 2, panels a, c, d, e, lanes 3–12). They include cultured human AS, NP cells, NTERA2 teratocarcinoma-derived differentiated neurones (NTERA2N), Y79 retinoblastoma, SK-N-SH neuroblastoma, IMR-32 neuroblastoma, U-373MG astrocytoma, HMO6 microglia, HeLa cervical carcinoma and HepG2 hepatocellular carcinoma cells. In contrast, high levels of HOXA1 mRNA were expressed in limited cell types, such as NTERA2N, U-373MG, HeLa and HepG2 (Figure 2, panel b, lanes 3–12). High levels of PLK3, MPG and PRNP mRNAs were also identified in the human cerebral cortex (CBR) (Figure 2, panels c, d, e, lane 1). The levels of G3PDH mRNA were constant among the cells and tissues examined (Figure 2, panel f, lanes 1, 3–12). By contrast, no products were amplified, when total RNA was processed for PCR without inclusion of the RT step, excluding a contamination of genomic DNA (Figure 2, panels a–f,

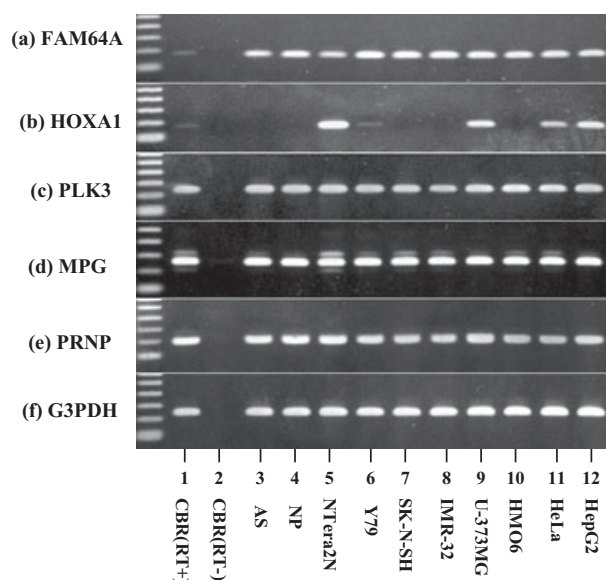


**Figure 2.** Expression of mRNAs of PrPC interactors in human neural cells. The expression of (a) FAM64A, (b) HOXA1, (c) PLK3, (d) MPG, (e) PRNP and (f) G3PDH mRNAs was studied in human neural and non-neural cells by RT-PCR. The lanes (1–12) represent: (1) the frontal cerebral cortex (CBR) with inclusion of the reverse transcription step (RT+), (2) CBR without inclusion of the reverse transcription step (RT–), (3) cultured astrocytes (AS), (4) cultured neuronal progenitor (NP) cells, (5) NTERA2 teratocarcinoma-derived differentiated neurones (NTERA2N), (6) Y79 retinoblastoma, (7) SK-N-SH neuroblastoma, (8) IMR-32 neuroblastoma, (9) U-373MG astrocytoma, (10) HMO6 microglia cell line, (11) HeLa cervical carcinoma and (12) HepG2 hepatocellular carcinoma. The DNA size marker (100-bp ladder) is shown on the left.

lane 2). Because NTERA2N cells serve as a model of differentiated human neurones in culture [45], these observations suggest that FAM64A, HOXA1, PLK3 and MPG are neuronal proteins coexpressed with PrPC.

### Validation of protein microarray data

To verify the results of protein microarray analysis, PR209 and interactors were cloned individually into distinct expression vectors, and were coexpressed transiently in HEK293 cells. FAM64A, HOXA1, PLK3 and MPG were selected for the interactors examined, because of their possible involvement in neural function (see *Discussion*). Because the antibodies suitable for immunoprecipitation with FAM64A, PLK3 and MPG are currently unavailable, we performed immunoprecipitation analysis by using the tag-specific antibodies. First, PR209 was expressed as a Flag-tagged fusion protein, whereas the interactors were

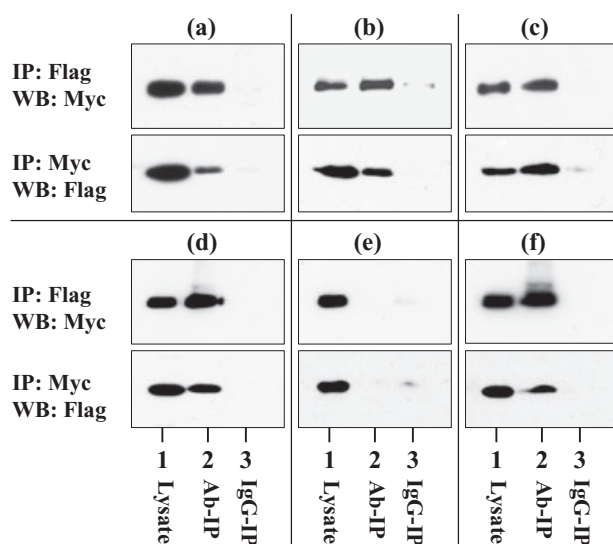


**Figure 3.** Coimmunoprecipitation analysis. PR209, the N-terminal (NT) half, and the C-terminal (CT) half were expressed as a Flag-tagged fusion protein, while FAM64A, HOXA1, PLK3 and MPG were expressed as a Myc-tagged fusion protein in HEK293 cells. Immunoprecipitation (IP) followed by Western blotting (WB) was performed by using the antibodies against Flag and Myc. The interaction indicates (a) PR209-FAM64A, (b) PR209-PLK3, (c) PR209-MPG, (d) PR209-HOXA1, (e) NT-HOXA1 and (f) CT-HOXA1. The lanes (1–3) represent: (1) input control of cell lysate, (2) IP with anti-Flag or anti-Myc antibody and (3) IP with normal mouse or rabbit IgG.

expressed as a Myc-tagged fusion protein. Coimmunoprecipitation and Western blot validated the interaction of PR209 with FAM64A (Figure 3a), PLK3 (Figure 3b), MPG (Figure 3c) and HOXA1 (Figure 3d). Furthermore, we found that not the N-terminal half but the C-terminal half of PR209 is bound to HOXA1 (Figure 3e,f), excluding non-specific coimmunoprecipitation of PR209 and the interactors in the transient expression system using HEK293 cells.

Next, PR209 was expressed as a DsRed-tagged fusion protein in HEK293 cells. It was located predominantly in the nucleus and the cytoplasm, and less abundantly on the plasma membrane (Figure 4, panels a, d, g, j, m). The EYFP-tagged fusion protein of FAM64A or HOXA1 was located predominantly in the nucleus, where it was colocalized with PR209 (Figure 4, panels b, c, h, i). The EYFP-tagged FAM64A protein was also located chiefly in the nucleus colocalized with DsRed-tagged PR209 in SK-N-SH cells similarly in HEK293, suggesting that the unique subcellular location of FAM64A and PR209 is not attributable to HEK293 cell-specific intracellular trafficking of the recombinant proteins (Figure 4, panels d–f). The

GFP-tagged PLK3 fusion protein, expressed on the plasma membrane and in the cytoplasm, showed discernible colocalization with PR209 (Figure 4, panels k, l). The GFP-tagged MPG fusion protein was located chiefly in the nucleus, coexisting with PR209 (Figure 4, panels n, o). Thus, a substantial part of PRP209 and interactors are colocalized in specific subcellular compartments in HEK293 and SK-N-SH cells following transient expression.

### Proteinase K sensitivity and detergent insolubility of PR209

To study the proteinase K-resistant property of PR209 coexpressed with the interactors in HEK293 cells, cellular protein extract was treated with proteinase K. In some experiments, the cells were exposed to MG-132 in the last 24 h before harvest. Coexpression of PR209 with HOXA1 or FAM64A did not generate proteinase K-resistant products regardless of treatment with MG-132 (Figure 5a, lanes 1–6; upper panel: HOXA1; lower panel: FAM64A). To determine the detergent-insoluble property of PR209, cellular protein extract was separated into 0.5% Nonidet P-40-soluble (S) and -insoluble (P) fractions. Unexpectedly, a great amount of the PR209 protein was recovered from the detergent-insoluble (P) fraction, even when PR209 alone without interactors was transiently expressed in HEK293 cells (Figure 5b, lanes 7, 8; upper panel: HOXA1; lower panel: FAM64A). The detergent-insoluble property of PR209 was not affected by coexpression of the interactors, such as HOXA1 or FAM64A, either in the presence or absence of MG-132 (Figure 5, lanes 9–12; upper panel: HOXA1; lower panel: FAM64A). Thus, coexpression of PR209 with the interactors did not produce proteinase K-resistant proteins, although PR209 showed an intrinsic detergent insolubility in HEK293 cells.

### Molecular network analysis of PrPC interactors

Functional annotation based on DAVID showed that the great majority of PrPIPs identified by protein microarray analysis play a role in the recognition of nucleic acids, involved in regulation of diverse cellular function (Figure 6).

To identify the molecular network of PrPC and PrPIPs, we imported the list of Entrez gene IDs of 47 PrPIPs into KeyMolnet, the comprehensive biological information

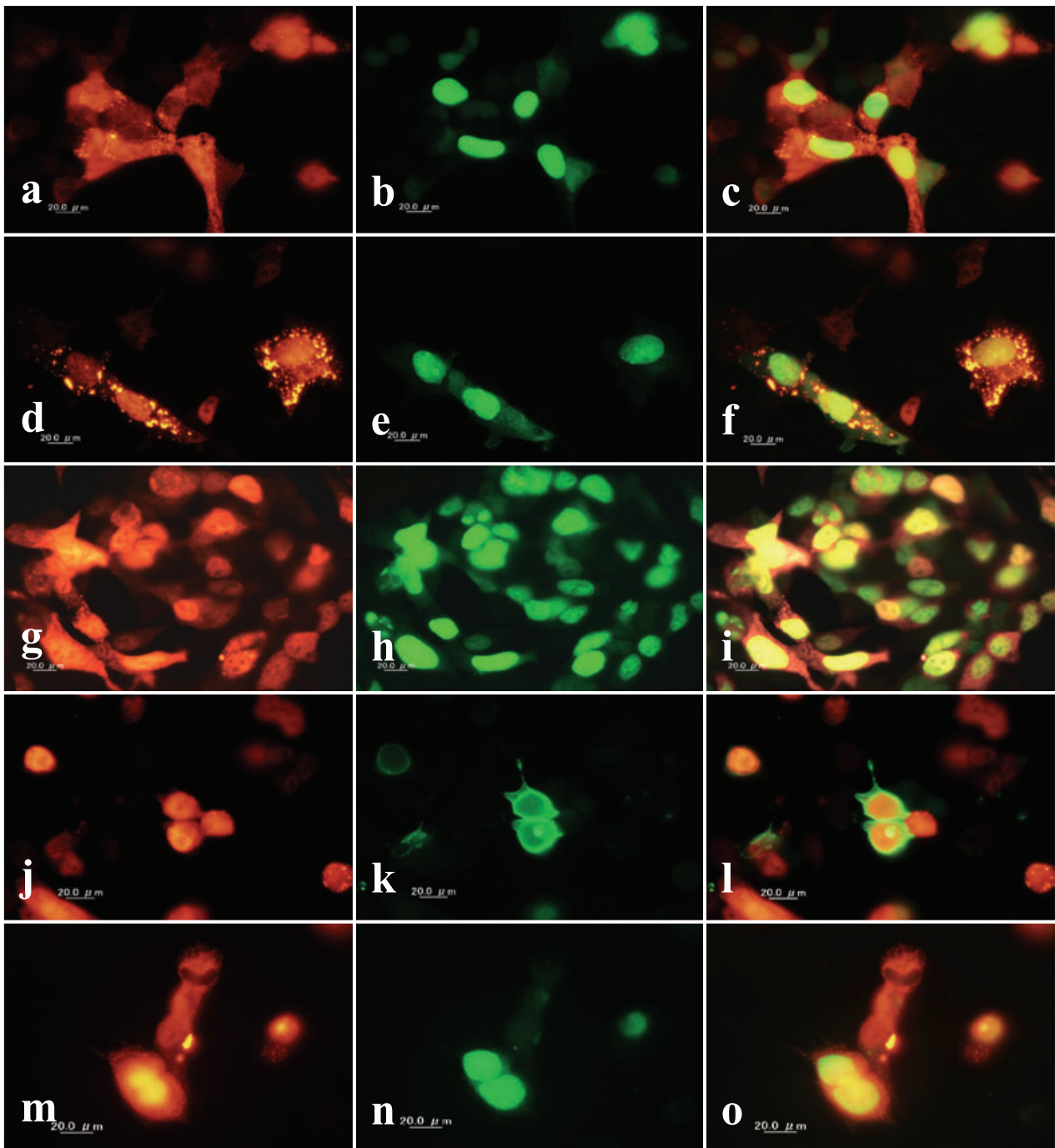


**Figure 4.** Cell imaging analysis. PR209 was expressed as a DsRed-tagged fusion protein, while FAM64A, HOXA1, PLK3 and MPG were expressed as an EYFP- or GFP-tagged fusion protein in HEK293 cells or in SK-N-SH cells. The panels (a–o) represent (a–c and g–o) HEK293 and (d–f) SK-N-SH of the following: (a) PR209, (b) FAM64A, (c) merge of a and b, (d) PR209, (e) FAM64A, (f) merge of d and e, (g) PR209, (h) HOXA1, (i) merge of g and h, (j) PR209, (k) PLK3, (l) merge of j and k, (m) PR209, (n) MPG and (o) merge of m and n.

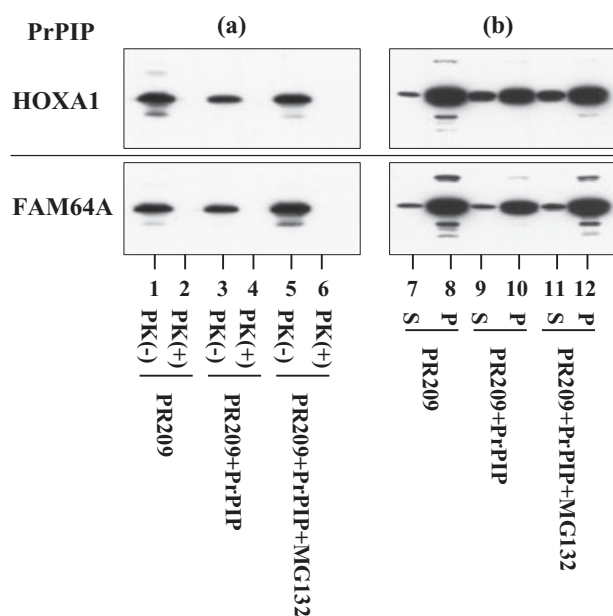


**Figure 5.** Biochemical property of PR209. Either Flag-tagged PR209 alone (lanes 1, 2, 7, 8) or the combination of PR209 and Myc-tagged PrPIP (lanes 3–6 and 9–12), such as HOXA1 (upper panels) or FAM64A (lower panels), were expressed in HEK293 cells. The cells were harvested at 48 h after transfection of the vectors. In some cultures, the cells were exposed to 10  $\mu$ M MG-132 during the last 24 h before harvest (lanes 5, 6, 11, 12). (a) Proteinase K treatment. Total cellular protein extract was treated with (+; lanes 2, 4, 6) or without (–; lanes 1, 3, 5) 5  $\mu$ g/ml proteinase K (PK) at 37°C for 30 min, and then processed for Western blot using 3F4 antibody. (b) Detergent treatment. Total cellular protein extract was separated into 0.5% Nonidet P-40-soluble (S: 50  $\mu$ g of protein) and -insoluble (P: 7  $\mu$ g of protein) fractions, and then processed for Western blot using 3F4 antibody.

platform of human molecules and molecular relations. It extracted 39 genes directly linked to 47 PrPIPs. Subsequently, the 'N-points to N-points' search starting from PrPC ending with 39 genes via the shortest route connecting them was performed. This generated a complex molecular network composed of 214 fundamental nodes and 579 molecular relations (Figure 7). Not surprisingly, KeyMolnet operating on the knowledgebase could not identify the direct interaction between PrPC and 47 PrPIPs, because their relationship has not been reported previously. Furthermore, KeyMolnet indicated the primary location of PrPC on the cell-surface membrane, but neither in the cytoplasm nor in the nucleus. When compared with the canonical pathways of KeyMolnet, statistical analysis indicated that the generated network has the most significant relationship with the AKT signalling pathway (the score 50.9). This was followed by the JNK

signalling pathway in the second rank (the score 48.4), the MAPK signalling pathway in the third rank (the score 42.8) and the p38 signalling pathway in the fourth rank (the score 36.3). Thus, the molecular network of PrPC and interactors constitutes the key signal-transducing pathways pivotal for regulation of cell differentiation, proliferation, survival and apoptosis.

## Discussion

We have performed screening of PrPIPs by using a human protein microarray containing 5000 proteins of various functional classes. By probing the array with PR209 spanning amino acid residues 23–231 of PrPC, we identified 47 novel PrPIPs. The functional annotation on the DAVID database suggested that the great majority of PrPIPs are categorized into the proteins involved in recognition of nucleic acids. The Allen Brain Atlas database search suggested that the great majority of 47 PrPIP orthologues are expressed in the adult rodent brain. Because high-throughput screening of high-density protein microarray enables us to identify a large number of putative binding partners at one time, it is often difficult to extract biological implications of their molecular relationship from such a large quantity of available data. To overcome this difficulty, we have made a breakthrough to identify the molecular network most closely associated with PrPC and the interactors by KeyMolnet, a bioinformatics tool for analysing molecular interaction on the curated knowledge database. The molecular network of PrPC and 47 PrPIPs on KeyMolnet showed an association most relevant to AKT, JNK and MAPK signalling pathways.

## Advantages and limitations of protein microarray technology for identification of protein–protein interaction

Protein microarray serves as a powerful tool for the rapid and systematic identification of protein–protein and other biomolecule interactions. Protein microarray has a wide range of applications, including characterization of antibody specificity and autoantibody repertoire, and identification of novel biomarkers and molecular targets associated with disease type, stage and progression, leading to establishment of personalized medicine [47–49].

However, protein microarray technology is still under development in methodological aspects. In general,

| Category        | Term                                                                           | RT | Genes                                                                               | Count | %    | P-Value |
|-----------------|--------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------|-------|------|---------|
| SP_PIR_KEYWORDS | <a href="#">rna-binding</a>                                                    | RT |    | 5     | 10.6 | 4.5E-3  |
| SP_PIR_KEYWORDS | <a href="#">nuclear protein</a>                                                | RT |    | 12    | 25.5 | 7.7E-3  |
| GOTERM_CC_ALL   | <a href="#">nucleus</a>                                                        | RT |    | 14    | 29.8 | 1.4E-2  |
| INTERPRO_NAME   | <a href="#">Nucleotide-binding, alpha-beta plait</a>                           | RT |    | 4     | 8.5  | 1.4E-2  |
| GOTERM_MF_ALL   | <a href="#">nucleic acid binding</a>                                           | RT |    | 14    | 29.8 | 1.6E-2  |
| SP_PIR_KEYWORDS | <a href="#">zinc-finger</a>                                                    | RT |    | 7     | 14.9 | 2.9E-2  |
| GOTERM_MF_ALL   | <a href="#">molecular function unknown</a>                                     | RT |    | 5     | 10.6 | 4.4E-2  |
| GOTERM_CC_ALL   | <a href="#">intracellular organelle</a>                                        | RT |    | 18    | 38.3 | 5.6E-2  |
| GOTERM_CC_ALL   | <a href="#">organelle</a>                                                      | RT |    | 18    | 38.3 | 5.6E-2  |
| GOTERM_MF_ALL   | <a href="#">nucleotide binding</a>                                             | RT |    | 9     | 19.1 | 5.8E-2  |
| SP_PIR_KEYWORDS | <a href="#">ribonucleoprotein</a>                                              | RT |    | 3     | 6.4  | 5.9E-2  |
| SP_PIR_KEYWORDS | <a href="#">alternative splicing</a>                                           | RT |    | 11    | 23.4 | 6.1E-2  |
| GOTERM_MF_ALL   | <a href="#">RNA polymerase II transcription factor activity</a>                | RT |    | 3     | 6.4  | 6.7E-2  |
| SP_PIR_KEYWORDS | <a href="#">zinc</a>                                                           | RT |    | 7     | 14.9 | 6.8E-2  |
| GOTERM_BP_ALL   | <a href="#">nucleobase, nucleoside, nucleotide and nucleic acid metabolism</a> | RT |    | 11    | 23.4 | 7.4E-2  |
| GOTERM_CC_ALL   | <a href="#">intracellular</a>                                                  | RT |    | 20    | 42.6 | 7.5E-2  |
| INTERPRO_NAME   | <a href="#">RNA-binding region RNP-1 (RNA recognition motif)</a>               | RT |    | 3     | 6.4  | 7.8E-2  |
| GOTERM_BP_ALL   | <a href="#">cellular metabolism</a>                                            | RT |    | 19    | 40.4 | 7.9E-2  |
| SMART_NAME      | <a href="#">RRM</a>                                                            | RT |    | 3     | 6.4  | 8.2E-2  |
| UP_SEQ_FEATURE  | <a href="#">splice variant</a>                                                 | RT |    | 11    | 23.4 | 8.6E-2  |
| GOTERM_CC_ALL   | <a href="#">ribonucleoprotein complex</a>                                      | RT |    | 4     | 8.5  | 8.7E-2  |
| UP_SEQ_FEATURE  | <a href="#">zinc finger region:C4-type</a>                                     | RT |   | 2     | 4.3  | 9.0E-2  |
| SP_PIR_KEYWORDS | <a href="#">dna-binding</a>                                                    | RT |  | 6     | 12.8 | 9.5E-2  |
| GOTERM_BP_ALL   | <a href="#">development</a>                                                    | RT |  | 7     | 14.9 | 9.6E-2  |

**Figure 6.** Functional annotation of PrPC interactors. Functional annotation of 47 PrPIPs identified by protein microarray analysis was performed by the program on DAVID bioinformatics database. When the list of Entrez gene IDs of 47 PrPIPs was imported, 34 genes were functionally categorized into 24 subgroups created by related databases, with enriched terms closely associated with the gene list examined. The genes excluded from the list ( $n = 13$ ) are FAM64A, C7orf50, SCNM1, C18orf56, DKFZp761B107, TSLP, CWC15, KIAA1191, ARHGAP15, WDR5, WIBG, FAM27E3 and NOB1 (see Table 1 for the gene symbol). RT represents related term search. Genes and count indicate the genes involved in the term. The percentage is calculated from the formula following: gene involvement (%) = involved genes/total genes. P-value represents the P-value of gene enrichment analysis evaluated by the modified Fisher's exact test where it is the smaller, the genes are the more enriched in the term.

protein microarray has its own limitation associated with the expression and purification of a wide variety of target proteins. In the microarray we utilized, the target proteins were expressed in a baculovirus expression system, purified under native conditions, and spotted on to the slides to ensure the preservation of native structure, post-translational modifications such as glycosylation and phosphorylation [50], and proper functionality. In contrast, bacterially expressed proteins lack glycosylation and phosphorylation moieties, and are often misfolded during purification. As target proteins contain a GST fusion tag, the arrays are always processed for the post-spotting quality control by using an anti-GST antibody with a concentration gradient of GST spots as a standard. This pro-

cedure makes it possible to quantify the exact amount of proteins deposited in each spot, and thereby minimizes the inter-lot variability of the results. Furthermore, each sub-array contains a series of built-in control spots.

Protein microarray also has another technical limitation attributable to the avidity of protein–protein interaction. The probing and rigorous washing procedure detects mostly the direct protein–protein interaction supported by the stable binding ability. It could not efficiently detect weak and transient protein–protein interactions, or indirect interactions that require accessory molecules or intervening cofactors. In addition, protein microarray screening does not consider the specific subcellular location where the protein–protein interaction actually takes

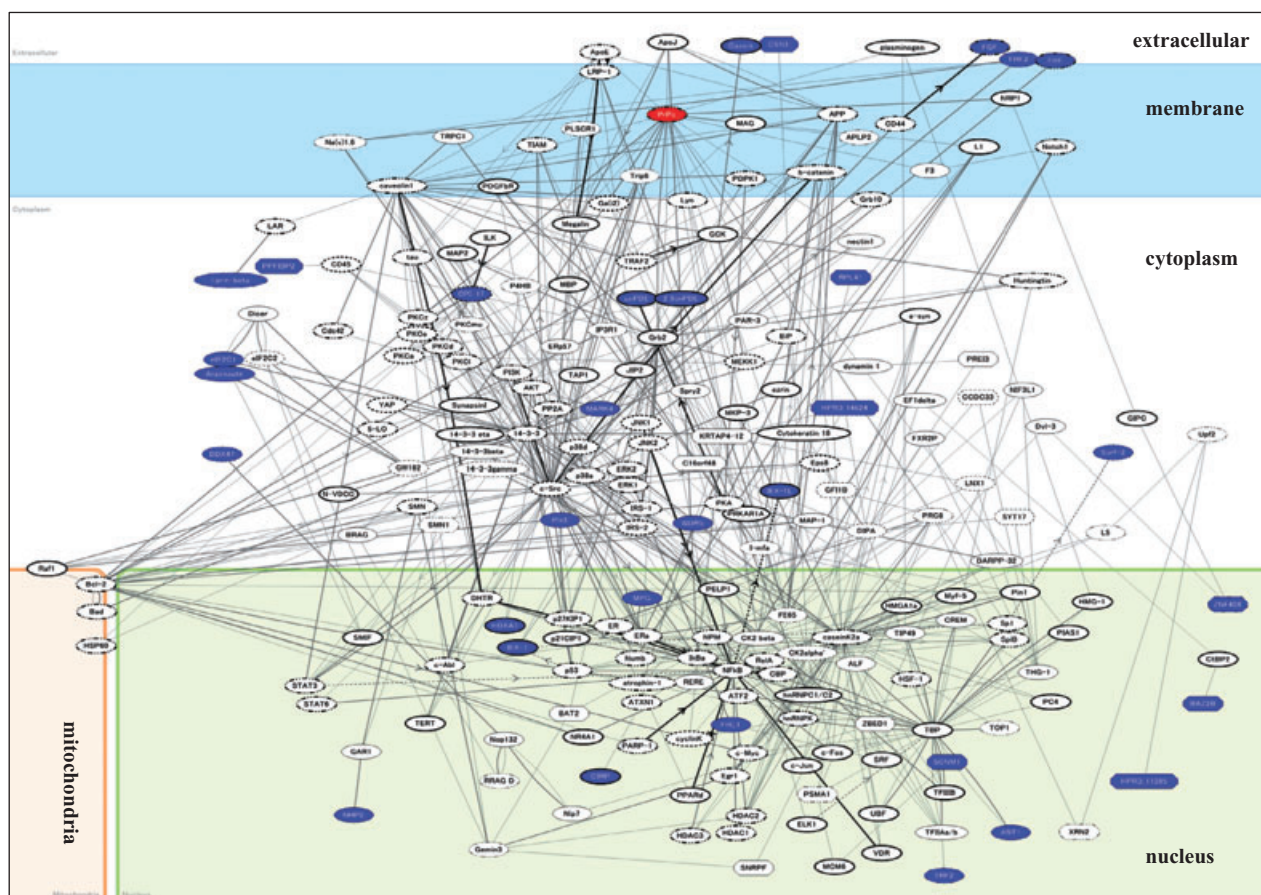


**Figure 7.** Molecular network of PrPC and the interactors. By importing the list of Entrez gene IDs of 47 PrPIPs, KeyMolnet extracted 39 genes directly linked to 47 PrPIPs. Subsequently, the 'N-points to N-points' search starting from PrPC ending with 39 genes generated a complex molecular network composed of 214 fundamental nodes and 579 molecular relations. They are arranged according to the predicted subcellular location. The red node indicates PrPC on the cell-surface membrane as the starting point, while blue nodes represent PrPIPs listed in Table 1. The connections of thick lines represent the core contents, while thin lines indicate the secondary contents of KeyMolnet. The molecular relation is indicated by dash line with arrow (transcriptional activation), solid line with arrow (direct activation) or solid line without arrow (direct interaction or complex formation).

place. Thus, it is possible that some promiscuous partners are detected, whereas some of the biologically important interactors *in vivo* are left beyond identification. Therefore, protein microarray data always require the validation by other independent methods such as coimmunoprecipitation, far Western blotting, the Y2H screening and so on. Post-translational modifications play a pivotal role in a range of protein–protein interactions. Immunolabelling of the array we utilized with anti-phosphotyrosine antibody showed that approximately 10–20% of the proteins on the array are phosphorylated (Invitrogen, unpubl. data). When the array was utilized for kinase substrate identification, most of known kinases immobilized on the array are enzymatically active with the capacity for auto-phosphorylation, suggesting that they are functionally

active with preservation of proper conformation (data of Invitrogen).

### Validation of interaction and colocalization of PrPC with four neuronal PrPC interactors by immunoprecipitation and cell imaging analysis

We selected four PrPIPs for further biochemical characterization, including FAM64A, HOXA1, PLK3 and MPG, because of their potential involvement in neural function. Furthermore, we identified the expression of all of these in differentiated human neurones N-Tera2N by RT-PCR. FAM64A is a 26-kDa protein with a DUF1466 domain in its N-terminal region. Currently, its biological function

remains unknown. However, the database search on Entrez UniGene, the organized view of the transcriptome, showed that the FAM64A transcript is expressed abundantly in brain tissues, glioma and primitive neuroectodermal tumours. HOXA1 acts as a transcription factor that regulates the proper arrangement of hindbrain segments during development [51]. Homozygous truncating mutations in the human HOXA1 gene disrupt brainstem, inner ear, cardiovascular and cognitive development in patients with the Bosley–Salih–Alorainy syndrome [52]. PLK3 is a member of the polo family serine/threonine kinases that regulate the onset of mitosis and M-phase progression in cell cycle. Long-term potentiation enhances PLK3 expression in hippocampal neurones, suggesting a role of PLK3 in synaptic plasticity [53]. MPG is a DNA repair enzyme that removes mutagenic alkylation adducts of purines from damaged DNA. Astrocytoma cells express a great amount of MPG protein, supporting a role of MPG in astrocytic tumorigenesis [54].

The interaction of PR209 with FAM64A, HOXA1, PLK3 and MPG was verified by coimmunoprecipitation and cell imaging in a transient expression system of HEK293 cells. Because the antibodies sufficient for immunoprecipitation with FAM64A, PLK3 and MPG are currently unavailable, we performed immunoprecipitation analysis by using the tag-specific antibodies. Although cultured human neurones, such as NTERA2, appear to be preferable for expression of PrPC interactors, we utilized HEK293 cells because of much easier handling and constant expression of tagged recombinant proteins. It is worth noting that in preliminary experiments, we found that there exists a small but discernible level of interaction between endogenous PrPC and HOXA1 in adult human brain tissue homogenates (data not shown).

PrPC is structurally separated into two distinct segments composed of the N-terminal flexibly disordered tail (amino acid residues 23–121) that includes the octapeptide repeat region, and the C-terminal globular domain (amino acid residues 121–230) that contains three  $\alpha$ -helices and two short anti-parallel  $\beta$ -sheets [55]. The immunoprecipitation study showed that HOXA1 interacts exclusively with the C-terminal half of PR209.

### PrPC interactors play a role in nuclear function

Although PrPC is a glycosylphosphatidylinositol (GPI)-anchored cell-surface protein, we found that DsRed-tagged PR209 with the C-terminal GPI anchor site of

amino acid residue 231 is located predominantly in the nucleus and the cytoplasm, and less abundantly on the plasma membrane. A recent study showed that PrPC after cleavage of both N-terminal and C-terminal signal peptides is located chiefly in the nucleus, where it interacts with chromatin in neural cell lines [56], supporting our findings that PrPC could interact with its partners in both the nucleus and the cytoplasm. PrPC has two cryptic nuclear localization signals in the N-terminal domain [57]. Nuclear localization of PrPSc-like protein is identified in prion-infected cells [58]. Furthermore, defined populations of neurones express PrPC in their cytoplasm [59]. In the present study, FAM64A, HOXA1 and MPG were located predominantly in the nucleus, where they coexisted with PR209. The involvement of PrPC and interactors in nuclear function is supported by functional annotation on the DAVID database that suggested a major role of PrPIPs in the recognition of nucleic acids. We could categorize the nucleic acid-binding PrPIPs into two distinct groups: (i) proteins involved in RNA splicing, silencing and metabolism: SCNM1, RBM22, DDX47, CWC15, PTRH1, EIF2C1, CIRBP, NOLA2, NOB1 and RNPC3, and (ii) proteins involved in DNA transcription and repair: HOXA1, BAZE2B, MPG, ZNF192, ZNF408, TBPL1, ABT1, ZNF740 and WDR5. Importantly, a previous study indicated that PrPC plays a key role in nucleic acid metabolism by its nucleic acid chaperoning activity [60]. Because protein microarray analysis utilized the recombinant PR209 highly purified from the culture supernatant as a probe, the possibility is unlikely that any contaminating cellular nucleic acids mediate the interaction between PrPC and PrPIPs.

Previous studies showed that PrPC spanning amino acid residues 23–230 designated CyPrP accumulates in the cytoplasm, where it is converted into the PrPSc-like proteinase K-resistant protein (PrP<sup>RES</sup>) with potent neurotoxicity, when the proteasome activity is suppressed [61,62]. In contrast, we showed that coexpression of large amounts of PR209 with HOXA1 or FAM64A did not generate PrP<sup>RES</sup> in HEK293 cells, even after exposure of the cells to MG-132. Our observations suggest that both HOXA1 and FAM64A do not act as the chaperone 'protein X' that promotes protein conformational conversion from PrPC to PrPSc at least in a short incubation time of 48 h. Because prion diseases develop after a long incubation period, our observations do not exclude the possibility that a long-term incubation of PrPC and the interactors with some additional cofactors could accelerate the conforma-

tional conversion from PrPC to PrPSc. In addition, we unexpectedly found that PR209 exhibits an intrinsic detergent insolubility in HEK293 cells following transient overexpression. A recent study showed that small amounts of detergent-insoluble prion protein aggregates are present in normal human brains [63].

### The molecular network of PrPC and interactors involves key cell signalling pathways

KeyMolnet stores the comprehensive content database that focuses on human molecules and molecular interactions, carefully curated by experts from the literature and public databases [41]. This software makes it possible to effectively extract the most relevant molecular interaction from large quantities of gene expression data, and to establish a biologically relevant logical working model [42]. The present study for the first time by using KeyMolnet, a data-mining tool of bioinformatics, showed that the complex molecular network of PrPC and 47 PrPIPs has a significant relationship with AKT, JNK and MAPK signalling pathways. A previous study showed that PrPC activates diverse signalling pathways involving Fyn, PI3 kinase/Akt, cAMP-dependent protein kinase A and MAP kinase, all of which contribute to neurite outgrowth and neuronal survival in primary culture of mouse neurones [64]. PrPC-knockout mice show exacerbation of ischaemic brain injury, accompanied by reduced expression of Ser473-phosphorylated Akt and increased activities of ERK-1/-2, STAT-1 and caspase-3 in the brain [65,66]. A synthetic peptide PrP106–126 induces neuronal apoptosis in primary cultures of mouse neurones via the JNK-c-Jun pathway [67]. All of these observations suggest a crucial link between the biological function of PrPC and signalling pathways mediated by AKT, JNK and MAPK.

Previously, we showed that the genes located in the Ras/Rac signalling pathway, pivotal for cell proliferation, differentiation and survival, were aberrantly regulated in cultured fibroblasts of PrPC-deficient mice [68]. More recently, by analysing a DNA microarray containing 12 814 human genes, we identified 33 genes differentially expressed between a stable PrPC-expressing HEK293 cell line and the parent PrPC-non-expressing cells [37]. They included 18 genes involved in neuronal and glial functions, five related to production of the extracellular matrix, and two located in the complement cascade. These observations suggest that aberrant expression of PrPC,

either overexpression or underexpression, affects a wide range of cell signalling pathways. Most recently, we showed that the zeta isoform of 14-3-3 protein, a scaffold protein on which diverse signal components converge, forms a molecular complex with PrPC and heat shock protein Hsp60 in the human CNS neurones under physiological conditions [23]. This raises the hypothesis that the multimolecular complex is disrupted in the pathological process of prion diseases, resulting in the release of 14-3-3 from degenerating neurones into the cerebrospinal fluid. Unfortunately, the protein microarray utilized in the present study does not include 14-3-3 zeta, Hsp60 or PrPC as targets.

In conclusion, protein microarray is a useful tool for systematic screening and comprehensive profiling of the human PrPC interactome. The great majority of PrPIPs are annotated as the proteins involved in the recognition of nucleic acids. Thus, individual PrPIPs possibly act as regulators of RNA splicing, silencing, and metabolism and modulators for DNA transcription and repair in neural and non-neural cells. Furthermore, the human PrPC–PrPIP network on the whole plays a pivotal role in signalling pathways essential for regulation of cell survival, differentiation, proliferation and apoptosis. These observations propose a logical hypothesis that the dysregulation of PrPC interactome might induce extensive neurodegeneration ongoing in prion diseases, and warrant further studies to clarify the implication of PrPC and the interactors in cellular signalling and nuclear function.

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## Supplementary material

The following supplementary material is available for this article online:

**Table S1.** Primers utilized for PCR in the present study.

**Table S2.** The complete list of the proteins immobilized on a human protein microarray utilized in the present study.

The supplementary material is available as part of the online article from: <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1365-2990.2008.00947.x>

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**Supplementary Table 1. Primers utilized for PCR in the present study**

| Genes                                      | Cloning vectors         | Restriction enzyme sites for cloning | Sense primers                         | Antisense primers                       |
|--------------------------------------------|-------------------------|--------------------------------------|---------------------------------------|-----------------------------------------|
| PR209 (PrPC amino acid residues 23-231)    | pSecTag/FRT/V5-His TOPO |                                      | 5'aagaagcgccccgaagcctggaggatggaa3'    | 5'gctcgatcctctctggtaatagc3'             |
| PR209 (PrPC amino acid residues 23-231)    | p3XFLAG-CMV7.1          | EcoRI, BamHI                         | 5'ggaattccaagaagcgccccgaagcctgga3'    | 5'cgggatcccgtcagctcgatcctctctggtaata3'  |
| PR209 (PrPC amino acid residues 23-231)    | pDsRed-Express-C1       | EcoRI, BamHI                         | 5'ggaattccaagaagcgccccgaagcctgga3'    | 5'cgggatcccgtcagctcgatcctctctggtaata3'  |
| PR209NT (PrPC amino acid residues 23-121)  | p3XFLAG-CMV7.1          | EcoRI, BamHI                         | 5'ggaattccaagaagcgccccgaagcctgga3'    | 5'cgggatcccgtcacactgccccagctgctgcagca3' |
| PR209CT (PrPC amino acid residues 122-231) | p3XFLAG-CMV7.1          | EcoRI, BamHI                         | 5'ggaattccgtgggggacctggcgctaca3'      | 5'cgggatcccgtcagctcgatcctctctggtaata3'  |
| PRNP (RT-PCR, 189 bp)                      |                         |                                      | 5'tacctctggctccttcagcagcta3'          | 5'gagcctgcatccaagagctaaga3'             |
| FAM64A (ORF)                               | pCMV-Myc                | XhoI, KpnI                           | 5'ccgctcgagcgcttctcggtggcagaacatg3'   | 5'ggggtaccctcagtcataatgagagagac3'       |
| FAM64A (ORF)                               | pEYFP-C1                | XhoI, KpnI                           | 5'ccgctcgagcgcttctcggtggcagaacatg3'   | 5'ggggtaccctcagtcataatgagagagac3'       |
| FAM64A (RT-PCR, 173 bp)                    |                         |                                      | 5'gaccgccaaggttcataactcaag3'          | 5'aggtatggcaggcagtcactgat3'             |
| HOXA1 (ORF)                                | pCMV-Myc                | EcoRI, XhoI                          | 5'ccggaattctggacaatgaagaatgaactcct3'  | 5'ccgctcgagcggtcagtgaggtagtcagagt3'     |
| HOXA1 (ORF)                                | pEYFP-C1                | EcoRI, BamHI                         | 5'ggaattccgacaatgaagaatgaactcc3'      | 5'cgggatcccgtcagtgaggtagtcagagt3'       |
| HOXA1 (RT-PCR, 168 bp)                     |                         |                                      | 5'agacaacagcccaggcatctcctt3'          | 5'cgaccaagtctctggtccagaat3'             |
| PLK3 (ORF)                                 | pCMV-Myc                | EcoRI, XhoI                          | 5'ccggaattctggagctgccgcccgttctctgtc3' | 5'ccgctcgagctaggctgggctcgggtcccggagca3' |
| PLK3 (ORF)                                 | pcDNA3.1/CT/GFP-TOPO    |                                      | 5'ggcatggagcctgccgccgtttc3'           | 5'ctgggtcgcggtcccggagcaggc3'            |
| PLK3 (RT-PCR, 243 bp)                      |                         |                                      | 5'tacttacctcgttcccaacttcg3'           | 5'caactccagtaaagctggtcctg3'             |
| MPG (ORF)                                  | pCMV-Myc                | EcoRI, BglII                         | 5'ggaattcccgcgcgagcggggcccagt3'       | 5'gaagatcttctcagcctgtgtgtctgtct3'       |
| MPG (ORF)                                  | pcDNA3.1/NT/GFP/TOPO    |                                      | 5'ggaattcccgcgcgagcggggcccagt3'       | 5'cggtaccctcagcctgtgtgtctgtct3'         |
| MPG (RT-PCR, 262 bp)                       |                         |                                      | 5'cgcaaccgagcatgttcataag3'            | 5'caaagctctgttgatggccagg3'              |
| G3PDH (RT-PCR, 251 bp)                     |                         |                                      | 5'ccatgttcgtcatgggtgtgaacca3'         | 5'gccagtagaggcaggatgatgttc3'            |

Abbreviations: PRNP, prion protein gene; PrPC, cellular prion protein; FAM64A, family with sequence similarity 64, member A; HOXA1, homeobox A1; polo-like kinase 3, PLK3; N-methylpurine-DNA glycosylase, MPG; glyceraldehyde-3-phosphate dehydrogenase, G3PDH; NT, N-terminal half; CT, C-terminal half; and ORF, open reading frame.

Supplementary Table 2. The complete list of the proteins immobilized on a human protein microarray utilized in the present study

| Description                                                                                                                                                                              | DB  | Accession No    | Accession No 2 | gi       | Clone ID | Source |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------|----------------|----------|----------|--------|
| Homo sapiens, 969                                                                                                                                                                        | ens | ENST00000259357 |                |          | 0 uORF   | ENS    |
| Homo sapiens, 942                                                                                                                                                                        | ens | ENST00000309154 |                |          | 0 uORF   | ENS    |
| Homo sapiens, Databasecore GeneENS00000177356 CloneAC099571 ContigAC099571.2.1.167413 Chr1 Basepair243240580 Statusknown                                                                 | ens | ENST00000318749 |                |          | 0 uORF   | ENS    |
| Homo sapiens gene for seven transmembrane helix receptor, complete cds, isolateCBRC7TM.182                                                                                               | dj  | AB065619.1      |                | 21928513 | uORF     | MGC    |
| Homo sapiens gene for seven transmembrane helix receptor, complete cds, isolateCBRC7TM.193                                                                                               | dj  | AB065630.1      |                | 21928534 | uORF     | MGC    |
| Homo sapiens gene for seven transmembrane helix receptor, complete cds, isolateCBRC7TM.297                                                                                               | dj  | AB065734.1      |                | 21928738 | uORF     | MGC    |
| Homo sapiens gene for seven transmembrane helix receptor, complete cds, isolateCBRC7TM.375                                                                                               | dj  | AB065812.1      |                | 21928889 | uORF     | MGC    |
| Homo sapiens cDNA FLJ30744 fis, clone FEBRA2000378                                                                                                                                       | dj  | AK055306.1      |                | 16550008 | uORF     | MGC    |
| Homo sapiens, clone MGC3234 IMAGE3504261, mRNA, complete cds                                                                                                                             | gb  | BC000001.1      | BC000001       | 12652528 | uORF     | MGC    |
| Homo sapiens hypothetical protein MGC3265, mRNA (cDNA clone MGC3265 IMAGE3506623), complete cds                                                                                          | gb  | BC000014.1      |                | 12652548 | uORF     | MGC    |
| Homo sapiens, Similar to cadherin 6, type 2, K-cadherin (fetal kidney), clone MGC1470 IMAGE3506873, mRNA, complete cds                                                                   | gb  | BC000019.1      | BC000019       | 12652558 | uORF     | MGC    |
| Homo sapiens, 1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta), clone MGC1195 IMAGE3507150, mRNA, complete cds                               | gb  | BC000026.1      | BC000026       | 12652568 | uORF     | MGC    |
| Homo sapiens, ADP-ribosylation factor 4-like, clone MGC1801 IMAGE3509618, mRNA, complete cds                                                                                             | gb  | BC000043.1      | BC000043       | 12652598 | uORF     | MGC    |
| Homo sapiens, Similar to peroxisome proliferative activated receptor, alpha, clone MGC2237 IMAGE3505209, mRNA, complete cds                                                              | gb  | BC000052.1      | BC000052       | 12652612 | uORF     | MGC    |
| Homo sapiens, Similar to arsenate resistance protein ARS2, clone MGC1828 IMAGE3505975, mRNA, complete cds                                                                                | gb  | BC000082.1      | BC000082       | 12652666 | uORF     | MGC    |
| Homo sapiens hypothetical protein FLJ10357, mRNA (cDNA clone MGC975 IMAGE3506356), complete cds                                                                                          | gb  | BC000084.1      |                | 12652670 | uORF     | MGC    |
| Homo sapiens, Similar to ubiquitin activating enzyme E1-like protein, clone MGC1334 IMAGE3504204, mRNA, complete cds                                                                     | gb  | BC000091.1      | BC000091       | 12652684 | uORF     | MGC    |
| Homo sapiens, NCK adaptor protein 2, clone MGC1698 IMAGE3505427, mRNA, complete cds                                                                                                      | gb  | BC000103.1      | BC000103       | 12652708 | uORF     | MGC    |
| Homo sapiens, Similar to Nedd-4-like ubiquitin-protein ligase, clone MGC2079 IMAGE3508225, mRNA, complete cds                                                                            | gb  | BC000108.1      | BC000108       | 12652716 | uORF     | MGC    |
| Homo sapiens hypothetical protein MGC3295, mRNA (cDNA clone MGC3295 IMAGE3508204), complete cds                                                                                          | gb  | BC000111.1      |                | 12652722 | uORF     | MGC    |
| Homo sapiens retinol dehydrogenase 11 (all-trans and 9-cis), mRNA (cDNA clone MGC704 IMAGE3504920), complete cds                                                                         | gb  | BC000112.1      |                | 12652724 | uORF     | MGC    |
| Homo sapiens general transcription factor IF, polypeptide 1, 74kDa, mRNA (cDNA clone MGC1732 IMAGE3352627), complete cds                                                                 | gb  | BC000120.1      |                | 12652738 | uORF     | MGC    |
| Homo sapiens hypothetical protein FLJ10565, mRNA (cDNA clone MGC5307 IMAGE2899944), complete cds                                                                                         | gb  | BC000132.2      |                | 12803000 | uORF     | MGC    |
| Homo sapiens v-myc myelocytomatosis viral oncogene homolog (avian), mRNA (cDNA clone MGC5183 IMAGE2895844), complete cds                                                                 | gb  | BC000141.1      |                | 12652778 | uORF     | MGC    |
| Homo sapiens hypothetical protein LOC51058, mRNA (cDNA clone MGC5335 IMAGE2901198), complete cds                                                                                         | gb  | BC000157.2      |                | 13111797 | uORF     | MGC    |
| Homo sapiens unr-interacting protein, mRNA (cDNA clone MGC5236 IMAGE2900954), complete cds                                                                                               | gb  | BC000162.2      |                | 14198026 | uORF     | MGC    |
| Homo sapiens cDNA clone IMAGE2901054, partial cds                                                                                                                                        | gb  | BC000166.2      |                | 13111803 | uORF     | MGC    |
| Homo sapiens Hermansky-Pudlak syndrome 1, transcript variant 3, mRNA (cDNA clone IMAGE2900987), complete cds                                                                             | gb  | BC000175.2      |                | 13111810 | uORF     | MGC    |
| Homo sapiens DnaJ (Hsp40) homolog, subfamily B, member 6, transcript variant 2, mRNA (cDNA clone MGC5201 IMAGE2900421), complete cds                                                     | gb  | BC000177.2      |                | 13111811 | uORF     | MGC    |
| Homo sapiens potassium channel modulatory factor 1, mRNA (cDNA clone MGC5354 IMAGE3048124), complete cds                                                                                 | gb  | BC000178.2      |                | 13111812 | uORF     | MGC    |
| Homo sapiens chromosome 14 open reading frame 137, mRNA (cDNA clone IMAGE350466), complete cds                                                                                           | gb  | BC000208.1      |                | 12652904 | uORF     | MGC    |
| Homo sapiens cDNA clone IMAGE3350895, complete cds                                                                                                                                       | gb  | BC000226.1      |                | 12652938 | uORF     | MGC    |
| Homo sapiens hypothetical protein FLJ10415, mRNA (cDNA clone MGC969 IMAGE3531742), complete cds                                                                                          | gb  | BC000238.1      |                | 12652954 | uORF     | MGC    |
| Homo sapiens THAP domain containing 4, mRNA (cDNA clone IMAGE3356125), complete cds                                                                                                      | gb  | BC000247.1      |                | 12652972 | uORF     | MGC    |
| Homo sapiens non-metastatic cells 3, protein expressed in, mRNA (cDNA clone MGC1695 IMAGE3357830), complete cds                                                                          | gb  | BC000250.1      |                | 12652978 | uORF     | MGC    |
| Homo sapiens glycogen synthase kinase 3 beta, mRNA (cDNA clone MGC1736 IMAGE3357620), complete cds                                                                                       | gb  | BC000251.1      |                | 12652980 | N/A      | MGC    |
| Homo sapiens golgi associated, gamma adaptin er containing, ARF binding protein 2, mRNA (cDNA clone MGC1002 IMAGE3356490), complete cds                                                  | gb  | BC000284.1      |                | 12653040 | uORF     | MGC    |
| Homo sapiens cDNA clone MGC8324 IMAGE2819226, complete cds                                                                                                                               | gb  | BC000288.1      |                | 12653048 | uORF     | MGC    |
| Homo sapiens, L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain, clone MGC8392 IMAGE2820507, mRNA, complete cds                                                                      | gb  | BC000306.1      | BC000306       | 12653080 | uORF     | MGC    |
| Homo sapiens nucleolar protein 4, mRNA (cDNA clone MGC8430 IMAGE2821116), complete cds                                                                                                   | gb  | BC000313.1      |                | 12653094 | uORF     | MGC    |
| Homo sapiens, Similar to reticulon 1, clone MGC8436 IMAGE2821214, mRNA, complete cds                                                                                                     | gb  | BC000314.1      | BC000314       | 12653096 | uORF     | MGC    |
| Homo sapiens TBP-like 1, mRNA (cDNA clone MGC8389 IMAGE2820491), complete cds                                                                                                            | gb  | BC000381.2      |                | 33988482 | uORF     | MGC    |
| Homo sapiens, Similar to CAAX box 1, clone MGC8471 IMAGE2821721, mRNA, complete cds                                                                                                      | gb  | BC000393.1      | BC000393       | 12653248 | uORF     | MGC    |
| Homo sapiens, DKFZP586A011 protein, clone MGC8483 IMAGE2821851, mRNA, complete cds                                                                                                       | gb  | BC000395.1      | BC000395       | 12653252 | uORF     | MGC    |
| Homo sapiens, protein predicted by clone Z3882, clone MGC8611 IMAGE2961290, mRNA, complete cds                                                                                           | gb  | BC000412.1      | BC000412       | 12653288 | uORF     | MGC    |
| Homo sapiens, Similar to single-strand selective monofunctional uracil DNA glycosylase, clone MGC8633 IMAGE2961516, mRNA, complete cds                                                   | gb  | BC000417.1      | BC000417       | 12653296 | uORF     | MGC    |
| Homo sapiens, ATPase, H+ transporting, lysosomal (vacuolar proton pump) 21kD, clone MGC8673 IMAGE2964510, mRNA, complete cds                                                             | gb  | BC000423.1      | BC000423       | 12653308 | uORF     | MGC    |
| Homo sapiens, cystathionine-beta-synthase, clone MGC8402 IMAGE2820694, mRNA, complete cds                                                                                                | gb  | BC000440.1      | BC000440       | 12653342 | uORF     | MGC    |
| Homo sapiens, serine/threonine kinase 12, clone MGC8406 IMAGE2820719, mRNA, complete cds                                                                                                 | gb  | BC000442.1      | BC000442       | 12653346 | N/A      | MGC    |
| Homo sapiens, glycerophosphate O-acyltransferase, clone MGC8450 IMAGE2821393, mRNA, complete cds                                                                                         | gb  | BC000450.1      | BC000450       | 12653360 | uORF     | MGC    |
| Homo sapiens cDNA clone MGC8456 IMAGE2821457, complete cds                                                                                                                               | gb  | BC000452.1      |                | 12653364 | uORF     | MGC    |
| Homo sapiens splicing factor 3b, subunit 3, 130kDa, mRNA (cDNA clone IMAGE2822705), complete cds                                                                                         | gb  | BC000463.1      |                | 12653386 | uORF     | MGC    |
| Homo sapiens, ubiquitin-conjugating enzyme E2 variant 1, clone MGC8586 IMAGE2961017, mRNA, complete cds                                                                                  | gb  | BC000468.1      | BC000468       | 12653396 | uORF     | MGC    |
| Homo sapiens heat shock 70kDa protein 9B (mortalin-2), mRNA (cDNA clone MGC8684 IMAGE2964588), complete cds                                                                              | gb  | BC000478.2      |                | 38197165 | uORF     | MGC    |
| Homo sapiens v-akt murine thymoma viral oncogene homolog 1, mRNA (cDNA clone MGC8686 IMAGE2964603), complete cds                                                                         | gb  | BC000479.1      |                | 12653416 | N/A      | MGC    |
| Homo sapiens v-akt murine thymoma viral oncogene homolog 1, mRNA (cDNA clone MGC8686 IMAGE2964603), complete cds                                                                         | gb  | BC000479.1      |                | 12653416 | uORF     | MGC    |
| Homo sapiens, Rab9 effector p40, clone MGC8459 IMAGE2821471, mRNA, complete cds                                                                                                          | gb  | BC000503.1      | BC000503       | 12653462 | uORF     | MGC    |
| Homo sapiens, succinate-CoA ligase, GDP-forming, alpha subunit, clone MGC8465 IMAGE2821634, mRNA, complete cds                                                                           | gb  | BC000504.1      | BC000504       | 12653464 | uORF     | MGC    |
| Homo sapiens, Similar to melanoma-associated antigen recognised by cytotoxic T lymphocytes, clone MGC8499 IMAGE2822176, mRNA, complete cds                                               | gb  | BC000507.1      | BC000507       | 12653470 | uORF     | MGC    |
| Homo sapiens serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1, mRNA (cDNA clone MGC8593 IMAGE2961120), complete cds | gb  | BC000522.1      |                | 12653500 | uORF     | MGC    |
| Homo sapiens, glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2), clone MGC8599 IMAGE2961181, mRNA, complete cds                                          | gb  | BC000525.1      | BC000525       | 12653506 | uORF     | MGC    |
| Homo sapiens, DKFZP564K1964 protein, clone MGC8605 IMAGE2961267, mRNA, complete cds                                                                                                      | gb  | BC000526.1      | BC000526       | 12653508 | uORF     | MGC    |
| Homo sapiens, Similar to Ewing sarcoma breakpoint region 1, clone MGC8607 IMAGE2961279, mRNA, complete cds                                                                               | gb  | BC000527.1      | BC000527       | 12653510 | uORF     | MGC    |
| Homo sapiens peter pan homolog (Drosophila), mRNA (cDNA clone MGC3007 IMAGE3162110), complete cds                                                                                        | gb  | BC000535.1      |                | 12653526 | uORF     | MGC    |
| Homo sapiens hypothetical protein MGC3020, mRNA (cDNA clone MGC3020 IMAGE3162851), complete cds                                                                                          | gb  | BC000552.1      |                | 12653556 | uORF     | MGC    |
| Homo sapiens, phosphatidylethanolamine N-methyltransferase, clone MGC2483 IMAGE3162576, mRNA, complete cds                                                                               | gb  | BC000557.1      | BC000557       | 12653566 | uORF     | MGC    |
| Homo sapiens, putative GTP-binding protein similar to RAY/RAB1C, clone MGC1168 IMAGE3163341, mRNA, complete cds                                                                          | gb  | BC000566.1      | BC000566       | 12653580 | uORF     | MGC    |
| Homo sapiens seizure related 6 homolog (mouse)-like 2, mRNA (cDNA clone MGC1200 IMAGE3163764), complete cds                                                                              | gb  | BC000567.2      |                | 34785041 | uORF     | MGC    |
| Homo sapiens, hypoxanthine phosphoribosyltransferase 1 (Lesch-Nyhan syndrome), clone MGC1722 IMAGE3163726, mRNA, complete cds                                                            | gb  | BC000578.1      | BC000578       | 12653602 | uORF     | MGC    |
| Homo sapiens, Similar to hypothetical protein FLJ20211, clone MGC1068 IMAGE3346325, mRNA, complete cds                                                                                   | gb  | BC000623.1      | BC000623       | 12653676 | uORF     | MGC    |
| Homo sapiens, HLA class II region expressed gene KE4, clone MGC1928 IMAGE3345970, mRNA, complete cds                                                                                     | gb  | BC000645.1      |                | 12653720 | uORF     | MGC    |
| Homo sapiens, Similar to solute carrier family 1 (glutamate transporter), member 7, clone MGC2078 IMAGE3342757, mRNA, complete cds                                                       | gb  | BC000651.1      | BC000651       | 12653730 | uORF     | MGC    |
| Homo sapiens brain specific protein, mRNA (cDNA clone MGC686 IMAGE3349849), complete cds                                                                                                 | gb  | BC000691.1      |                | 12653804 | uORF     | MGC    |
| Homo sapiens, Similar to kinesin family member C1, clone MGC1202 IMAGE3506669, mRNA, complete cds                                                                                        | gb  | BC000712.1      | BC000712       | 12653842 | uORF     | MGC    |
| Homo sapiens, Similar to dynactin (dynactin complex 50 kD subunit), clone MGC1336 IMAGE3504109, mRNA, complete cds                                                                       | gb  | BC000718.1      | BC000718       | 12653854 | uORF     | MGC    |
| Homo sapiens, eukaryotic translation initiation factor 3, subunit 4 (delta, 44kD), clone MGC2053 IMAGE3504640, mRNA, complete cds                                                        | gb  | BC000733.1      | BC000733       | 12653882 | uORF     | MGC    |
| Homo sapiens cDNA clone MGC2335 IMAGE3505654, complete cds                                                                                                                               | gb  | BC000742.1      |                | 12653898 | uORF     | MGC    |
| Homo sapiens chromosome 6 open reading frame 80, mRNA (cDNA clone MGC2698 IMAGE2820737), complete cds                                                                                    | gb  | BC000758.1      |                | 12653928 | uORF     | MGC    |
| Homo sapiens, clone MGC2821 IMAGE2964418, mRNA, complete cds                                                                                                                             | gb  | BC000769.1      | BC000769       | 12653950 | uORF     | MGC    |
| Homo sapiens, hypothetical protein FLJ11265 similar to death inducer-obliterator-1, clone MGC3257 IMAGE3506207, mRNA, complete cds                                                       | gb  | BC000770.1      | BC000770       | 12653952 | uORF     | MGC    |
| Homo sapiens, Similar to KIAA0377 gene product, clone MGC3268 IMAGE3506689, mRNA, complete cds                                                                                           | gb  | BC000772.1      | BC000772       | 12653956 | uORF     | MGC    |
| Homo sapiens HSPC142 protein, mRNA (cDNA clone MGC0774 IMAGE3504488), complete cds                                                                                                       | gb  | BC000788.1      |                | 12653982 | uORF     | MGC    |
| Homo sapiens GL004 protein, mRNA (cDNA clone MGC5474 IMAGE3451868), complete cds                                                                                                         | gb  | BC000797.1      |                | 12653998 | uORF     | MGC    |
| Homo sapiens zinc finger protein 160, mRNA (cDNA clone IMAGE3452857), complete cds                                                                                                       | gb  | BC000807.1      |                | 12654014 | uORF     | MGC    |
| Homo sapiens transcription elongation factor A (SII)-like 1, mRNA (cDNA clone MGC5012 IMAGE3452909), complete cds                                                                        | gb  | BC000809.1      |                | 12654018 | uORF     | MGC    |
| Homo sapiens cDNA clone MGC5114 IMAGE3453829, complete cds                                                                                                                               | gb  | BC000819.1      |                | 12654030 | uORF     | MGC    |
| Homo sapiens timeless-interacting protein, mRNA (cDNA clone MGC4958 IMAGE3460338), complete cds                                                                                          | gb  | BC000870.1      |                | 12654112 | uORF     | MGC    |
| Homo sapiens zinc finger protein 174, mRNA (cDNA clone MGC5061 IMAGE3461658), complete cds                                                                                               | gb  | BC000876.1      |                | 12654122 | uORF     | MGC    |
| Homo sapiens vasopressin-induced transcript, mRNA (cDNA clone MGC5610 IMAGE3461724), complete cds                                                                                        | gb  | BC000877.1      |                | 12654124 | uORF     | MGC    |
| Homo sapiens lactamase, beta 2, mRNA (cDNA clone MGC4879 IMAGE3461825), complete cds                                                                                                     | gb  | BC000878.1      |                | 12654126 | uORF     | MGC    |
| Homo sapiens kynureninase (L-kynurenine hydrolase), mRNA (cDNA clone MGC5080 IMAGE3461828), complete cds                                                                                 | gb  | BC000879.1      |                | 12654128 | uORF     | MGC    |
| Homo sapiens cDNA clone MGC4899 IMAGE3462307, complete cds                                                                                                                               | gb  | BC000884.1      |                | 12654136 | uORF     | MGC    |
| Homo sapiens cDNA clone MGC5619 IMAGE3462332, complete cds                                                                                                                               | gb  | BC000885.1      |                | 12654138 | uORF     | MGC    |
| Homo sapiens RAB10, member RAS oncogene family, mRNA (cDNA clone MGC4875 IMAGE3464547), complete cds                                                                                     | gb  | BC000896.1      |                | 12654156 | uORF     | MGC    |
| Homo sapiens interferon induced transmembrane protein 1 (9-27), mRNA (cDNA clone MGC5195 IMAGE3464598), complete cds                                                                     | gb  | BC000897.1      |                | 12654158 | uORF     | MGC    |
| Homo sapiens high-mobility group box 2, mRNA (cDNA clone MGC5234 IMAGE2900706), complete cds                                                                                             | gb  | BC000903.2      |                | 14705263 | uORF     | MGC    |
| Homo sapiens hypothetical protein FLJ22662, mRNA (cDNA clone IMAGE2984747), complete cds                                                                                                 | gb  | BC000909.2      |                | 15029599 | uORF     | MGC    |
| Homo sapiens splicing factor, arginine/serine-rich 3, mRNA (cDNA clone MGC5205 IMAGE3049167), complete cds                                                                               | gb  | BC000914.1      |                | 12654192 | uORF     | MGC    |
| Homo sapiens testis enhanced gene transcript (BAX inhibitor 1), mRNA (cDNA clone MGC5230 IMAGE2900280), complete cds                                                                     | gb  | BC000916.1      |                | 13111818 | uORF     | MGC    |
| Homo sapiens HSPC133 protein, mRNA (cDNA clone MGC04937 IMAGE3445582), complete cds                                                                                                      | gb  | BC000921.2      |                | 12803007 | uORF     | MGC    |
| Homo sapiens hypothetical protein CL25022, mRNA (cDNA clone MGC4901 IMAGE3448713), complete cds                                                                                          | gb  | BC000932.2      |                | 13111823 | uORF     | MGC    |
| Homo sapiens eukaryotic translation initiation factor 2, subunit 2 beta, 38kDa, mRNA (cDNA clone MGC5085 IMAGE3447202), complete cds                                                     | gb  | BC000934.2      |                | 13111825 | uORF     | MGC    |
| Homo sapiens hypothetical protein FLJ20265, mRNA (cDNA clone IMAGE3450756), partial cds                                                                                                  | gb  | BC000937.2      |                | 13111827 | uORF     | MGC    |
| Homo sapiens, tetrapeptide repeat domain 1, clone MGC5385 IMAGE3446109, mRNA, complete cds                                                                                               | gb  | BC000942.2      | BC000942       | 13879212 | uORF     | MGC    |
| Homo sapiens RIO kinase 2 (yeast), mRNA (cDNA clone MGC4923 IMAGE3449997), complete cds                                                                                                  | gb  | BC000953.2      |                | 12803016 | uORF     | MGC    |
| Homo sapiens chromobox homolog 3 (HP1 gamma homolog, Drosophila), transcript variant 1, mRNA (cDNA clone MGC4912 IMAGE3450099), complete cds                                             | gb  | BC000954.1      |                | 12654266 | uORF     | MGC    |
| Homo sapiens degenerative spermatocyte homolog, lipid desaturase (Drosophila), transcript variant 1, mRNA (cDNA clone MGC5079 IMAGE3450936), complete cds                                | gb  | BC000961.2      |                | 12803018 | uORF     | MGC    |
| Homo sapiens, aminolevulinatase, delta-, dehydratase, clone MGC5057 IMAGE2900963, mRNA, complete cds                                                                                     | gb  | BC000977.2      |                | 21618697 | uORF     | MGC    |
| Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 49, mRNA (cDNA clone MGC5278 IMAGE2901163), complete cds                                                                             | gb  | BC000979.2      |                | 12803028 | uORF     | MGC    |
| Homo sapiens interleukin 17 receptor B, transcript variant 1, mRNA (cDNA clone MGC5245 IMAGE2985728), complete cds                                                                       | gb  | BC000980.1      |                | 12654318 | uORF     | MGC    |
| Homo sapiens chromosome 14 open reading frame 124, mRNA (cDNA clone MGC5313 IMAGE2900140), complete cds                                                                                  | gb  | BC000989.2      |                | 12803033 | uORF     | MGC    |
| Homo sapiens amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 15, mRNA (cDNA clone IMAGE3449426), complete cds                                                    | gb  | BC000993.2      |                | 13879217 | uORF     | MGC    |
| Homo sapiens splicing factor, arginine/serine-rich 7, 35kDa, mRNA (cDNA clone MGC5238 IMAGE2901284), complete cds                                                                        | gb  | BC000997.2      |                | 12803039 | uORF     | MGC    |
| Homo sapiens carbonic anhydrase XII, mRNA (cDNA clone IMAGE3344130), complete cds                                                                                                        | gb  | BC001012.2      |                | 33875876 | uORF     | MGC    |
| Homo sapiens PDZ and LIM domain 3, mRNA (cDNA clone MGC2005 IMAGE3345880), complete cds                                                                                                  | gb  | BC001017.1      |                | 12654386 | uORF     | MGC    |
| Homo sapiens, Similar to major histocompatibility complex, class II, DR beta 1, clone MGC2284 IMAGE3345335, mRNA, complete cds                                                           | gb  | BC001023.1      | BC001023       | 12654396 | uORF     | MGC    |
| Homo sapiens MRS2-like, magnesium homeostasis factor (S. cerevisiae), mRNA (cDNA clone MGC2484 IMAGE3345113), complete cds                                                               | gb  | BC001028.1      |                | 12654404 | uORF     | MGC    |
| Homo sapiens, nesca protein, clone MGC1245 IMAGE3505458, mRNA, complete cds                                                                                                              | gb  | BC001045.1      | BC001045       | 12654438 | uORF     | MGC    |
| Homo sapiens, POTAIRE protein kinase 1, clone MGC1330 IMAGE3504276, mRNA, complete cds                                                                                                   | gb  | BC001048.1      | BC001048       | 12654444 | uORF     | MGC    |
| Homo sapiens RecQ protein-like (DNA helicase Q1-like), transcript variant 2, mRNA (cDNA clone MGC1648 IMAGE2823112), complete cds                                                        | gb  | BC001052.2      |                | 33879926 | uORF     | MGC    |
| Homo sapiens, CDC20 (cell division cycle 20, S. cerevisiae, homolog), clone MGC2830 IMAGE2964686, mRNA, complete cds                                                                     | gb  | BC001088.1      | BC001088       | 12654516 | uORF     | MGC    |
| Homo sapiens chromosome 20 open reading frame 35, mRNA (cDNA clone MGC834 IMAGE2959575), complete cds                                                                                    | gb  | BC001105.1      |                | 12654542 | uORF     | MGC    |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------|----------|----------|------|-----|
| Homo sapiens adenylyate kinase 1, mRNA (cDNA clone MGC1808 IMAGE2988248), complete cds                                                                                         | gb | BC001116.1 |          | 12654562 | uORF | MGC |
| Homo sapiens, lectin, galactoside-binding, soluble, 3 (galectin 3), clone MGC2058 IMAGE3050135, mRNA, complete cds                                                             | gb | BC001120.1 | BC001120 | 12654570 | uORF | MGC |
| Homo sapiens stromal antigen 3, mRNA (cDNA clone MGC2463 IMAGE2966832), complete cds                                                                                           | gb | BC001129.1 |          | 12654588 | uORF | MGC |
| Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 54, mRNA (cDNA clone MGC2835 IMAGE2966536), complete cds                                                                   | gb | BC001132.1 |          | 12654592 | uORF | MGC |
| Homo sapiens serologically defined colon cancer antigen 16, mRNA (cDNA clone MGC1291 IMAGE3355662), complete cds                                                               | gb | BC001149.1 |          | 12654624 | uORF | MGC |
| Homo sapiens growth arrest-specific 7, mRNA (cDNA clone MGC1347 IMAGE3333809), complete cds                                                                                    | gb | BC001152.1 |          | 12654630 | uORF | MGC |
| Homo sapiens exostoses (multiple) 1, mRNA (cDNA clone MGC2129 IMAGE302232), complete cds                                                                                       | gb | BC001174.1 |          | 12654670 | uORF | MGC |
| Homo sapiens hypothetical protein MGC3329, mRNA (cDNA clone IMAGE3528601), complete cds                                                                                        | gb | BC001213.1 |          | 12654742 | uORF | MGC |
| Homo sapiens leucine carboxyl methyltransferase 1, mRNA (cDNA clone MGC682 IMAGE3533656), complete cds                                                                         | gb | BC001214.1 |          | 12654744 | uORF | MGC |
| Homo sapiens, Similar to CGL-78 protein, clone MGC4880 IMAGE3457593, mRNA, complete cds                                                                                        | gb | BC001230.1 | BC001230 | 12654774 | uORF | MGC |
| Homo sapiens loss of heterozygosity, 11, chromosomal region 2, gene A, mRNA (cDNA clone MGC4904 IMAGE3461486), complete cds                                                    | gb | BC001234.1 |          | 12654782 | uORF | MGC |
| Homo sapiens ankyrin repeat and SOCS box-containing 9, mRNA (cDNA clone MGC4954 IMAGE3462727), complete cds                                                                    | gb | BC001244.1 |          | 12654802 | uORF | MGC |
| Homo sapiens epithelial protein lost in neoplasm beta, mRNA (cDNA clone MGC4969 IMAGE3452714), complete cds                                                                    | gb | BC001247.1 |          | 12654808 | uORF | MGC |
| Homo sapiens hypothetical protein RP4-822L5, mRNA (cDNA clone IMAGE3463478), complete cds                                                                                      | gb | BC001256.1 |          | 12654828 | uORF | MGC |
| Homo sapiens phosphoglucomutase 3, mRNA (cDNA clone MGC5002 IMAGE3451677), complete cds                                                                                        | gb | BC001258.1 |          | 12654830 | uORF | MGC |
| Homo sapiens cell division cycle 2-like 5 (cholinesterase-related cell division controller), mRNA (cDNA clone IMAGE3454160), complete cds                                      | gb | BC001274.1 |          | 12654860 | N/A  | MGC |
| Homo sapiens cell division cycle 2-like 5 (cholinesterase-related cell division controller), mRNA (cDNA clone IMAGE3454160), complete cds                                      | gb | BC001274.1 |          | 12654860 | uORF | MGC |
| Homo sapiens serine/threonine kinase 6, transcript variant 1, mRNA (cDNA clone MGC5133 IMAGE3456017), complete cds                                                             | gb | BC001280.1 |          | 12654872 | N/A  | MGC |
| Homo sapiens serine/threonine kinase 6, transcript variant 1, mRNA (cDNA clone MGC5133 IMAGE3456017), complete cds                                                             | gb | BC001280.1 |          | 12654872 | uORF | MGC |
| Homo sapiens fatso, mRNA (cDNA clone MGC5149 IMAGE3453653), complete cds                                                                                                       | gb | BC001284.1 |          | 12654880 | uORF | MGC |
| Homo sapiens dCMP deaminase, mRNA (cDNA clone MGC5160 IMAGE3458999), complete cds                                                                                              | gb | BC001286.1 |          | 12654884 | uORF | MGC |
| Homo sapiens, Similar to x 006 protein, clone MGC5294 IMAGE3452502, mRNA, complete cds                                                                                         | gb | BC001294.1 | BC001294 | 12654898 | uORF | MGC |
| Homo sapiens piccolo (presynaptic cytomatrix protein), mRNA (cDNA clone MGC5486 IMAGE3452412), complete cds                                                                    | gb | BC001304.1 |          | 12654916 | uORF | MGC |
| Homo sapiens ankyrin repeat and SOCS box-containing 8, mRNA (cDNA clone MGC5540 IMAGE3456049), complete cds                                                                    | gb | BC001321.1 |          | 12654946 | uORF | MGC |
| Homo sapiens interferon-related developmental regulator 2, mRNA (cDNA clone MGC5552 IMAGE3456988), complete cds                                                                | gb | BC001327.1 |          | 12654958 | uORF | MGC |
| Homo sapiens LIM and senescent cell antigen-like domains 2, mRNA (cDNA clone IMAGE3051392), complete cds                                                                       | gb | BC001370.2 |          | 33989049 | uORF | MGC |
| Homo sapiens chromosome 20 open reading frame 31, mRNA (cDNA clone MGC935 IMAGE3051376), complete cds                                                                          | gb | BC001371.2 |          | 33990680 | uORF | MGC |
| Homo sapiens, serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 6, clone MGC2180 IMAGE3051381, mRNA, complete cds                                         | gb | BC001394.1 | BC001394 | 12655088 | uORF | MGC |
| Homo sapiens, AD-003 protein, clone MGC783 IMAGE3050940, mRNA, complete cds                                                                                                    | gb | BC001396.1 |          | 12655090 | uORF | MGC |
| Homo sapiens, clone MGC1233 IMAGE3139680, mRNA, complete cds                                                                                                                   | gb | BC001408.1 |          | 12655112 | uORF | MGC |
| Homo sapiens, Similar to ubiquinol-cytochrome c reductase hinge protein, clone MGC1361 IMAGE3140323, mRNA, complete cds                                                        | gb | BC001426.1 |          | 12655142 | uORF | MGC |
| Homo sapiens, POP7 (processing of precursor, S. cerevisiae) homolog, clone MGC1986 IMAGE3138336, mRNA, complete cds                                                            | gb | BC001430.1 |          | 12655150 | uORF | MGC |
| Homo sapiens, Similar to centrosomal protein 2, clone MGC1218 IMAGE3138798, mRNA, complete cds                                                                                 | gb | BC001433.1 |          | 12655156 | uORF | MGC |
| Homo sapiens dipeptidyl/peptidase 3, transcript variant 1, mRNA (cDNA clone MGC1100 IMAGE3138626), complete cds                                                                | gb | BC001446.2 |          | 34783097 | uORF | MGC |
| Homo sapiens, phosphoenolpyruvate carboxykinase 2 (mitochondrial), clone MGC1492 IMAGE3138368, mRNA, complete cds                                                              | gb | BC001454.1 | BC001454 | 12655192 | uORF | MGC |
| Homo sapiens, hypothetical protein FLJ110913, clone MGC918 IMAGE3138914, mRNA, complete cds                                                                                    | gb | BC001467.1 | BC001467 | 12655216 | uORF | MGC |
| Homo sapiens, clone MGC1910 IMAGE3504573, mRNA, complete cds                                                                                                                   | gb | BC001494.1 | BC001494 | 16306636 | uORF | MGC |
| Homo sapiens Sec 6 (S. cerevisiae) homolog, mRNA (cDNA clone MGC2558 IMAGE2988233), complete cds                                                                               | gb | BC001511.1 |          | 16306676 | uORF | MGC |
| Homo sapiens stratifin, mRNA (cDNA clone MGC5019 IMAGE3457665), complete cds                                                                                                   | gb | BC001550.1 |          | 16306736 | uORF | MGC |
| Homo sapiens peptidyl-prolyl isomerase G (cyclophilin G), mRNA (cDNA clone IMAGE3461499), complete cds                                                                         | gb | BC001555.1 |          | 16306742 | uORF | MGC |
| Homo sapiens chromosome 10 open reading frame 7, mRNA (cDNA clone MGC1935 IMAGE3542611), complete cds                                                                          | gb | BC001600.1 |          | 12804396 | uORF | MGC |
| Homo sapiens neutrophil cytosolic factor 2 (65kDa, chronic granulomatous disease, autosomal 2), mRNA (cDNA clone MGC2275 IMAGE3542841), complete cds                           | gb | BC001606.1 |          | 12804408 | uORF | MGC |
| Homo sapiens, hypothetical protein FLJ110468, clone MGC2726 IMAGE2822261, mRNA, complete cds                                                                                   | gb | BC001651.1 | BC001651 | 12804484 | uORF | MGC |
| Homo sapiens mitogen-activated protein kinase-activated protein kinase 3, mRNA (cDNA clone MGC1497 IMAGE2988489), complete cds                                                 | gb | BC001662.1 |          | 12804502 | N/A  | MGC |
| Homo sapiens, Similar to oxidase (cytochrome c) assembly 1-like, clone MGC2171 IMAGE2823880, mRNA, complete cds                                                                | gb | BC001669.1 | BC001669 | 12804516 | uORF | MGC |
| Homo sapiens, clone MGC2299 IMAGE2967519, mRNA, complete cds                                                                                                                   | gb | BC001694.1 | BC001694 | 12804558 | uORF | MGC |
| Homo sapiens NAD kinase, mRNA (cDNA clone MGC1900 IMAGE3542247), complete cds                                                                                                  | gb | BC001709.1 |          | 12804578 | uORF | MGC |
| Homo sapiens, NADH dehydrogenase (ubiquinone) Fe-S protein 7 (20kD) (NADH-coenzyme Q reductase), clone MGC886 IMAGE3503064, mRNA, complete cds                                 | gb | BC001715.2 | BC001715 | 17511653 | uORF | MGC |
| Homo sapiens poly(A) binding protein interacting protein 2, mRNA (cDNA clone MGC879 IMAGE3354931), complete cds                                                                | gb | BC001716.1 |          | 12804590 | uORF | MGC |
| Homo sapiens, Similar to DKFZP586L0724 protein, clone MGC1249 IMAGE3534516, mRNA, complete cds                                                                                 | gb | BC001726.1 | BC001726 | 12804608 | uORF | MGC |
| Homo sapiens glyoxalase I, mRNA (cDNA clone MGC2259 IMAGE3352922), complete cds                                                                                                | gb | BC001741.1 |          | 12804632 | uORF | MGC |
| Homo sapiens, Similar to hypothetical protein FLJ110803, clone MGC933 IMAGE3537461, mRNA, complete cds                                                                         | gb | BC001743.1 | BC001743 | 12804636 | uORF | MGC |
| Homo sapiens glutaminyl-tRNA synthetase, mRNA (cDNA clone MGC1525 IMAGE3543728), complete cds                                                                                  | gb | BC001772.1 |          | 12804690 | uORF | MGC |
| Homo sapiens cDNA clone MGC3170 IMAGE3355513, complete cds                                                                                                                     | gb | BC001801.1 |          | 12804738 | uORF | MGC |
| Homo sapiens, Similar to NPD002 protein, clone MGC3368 IMAGE3530094, mRNA, complete cds                                                                                        | gb | BC001817.1 | BC001817 | 12804754 | uORF | MGC |
| Homo sapiens zinc finger protein 44 (KOX 7), mRNA (cDNA clone IMAGE3544853), complete cds                                                                                      | gb | BC001868.1 |          | 12804844 | uORF | MGC |
| Homo sapiens hairy/enhancer-of-split related with YRPW motif 1, mRNA (cDNA clone MGC1274 IMAGE3533622), complete cds                                                           | gb | BC001873.1 |          | 12804854 | uORF | MGC |
| Homo sapiens N-ethylmaleimide-sensitive factor attachment protein, gamma, mRNA (cDNA clone MGC1699 IMAGE3536833), complete cds                                                 | gb | BC001889.1 |          | 12804880 | uORF | MGC |
| Homo sapiens hypothetical protein MGC2650, mRNA (cDNA clone MGC2650 IMAGE3534111), complete cds                                                                                | gb | BC001907.1 |          | 12804908 | uORF | MGC |
| Homo sapiens malate dehydrogenase 2, NAD (mitochondrial), mRNA (cDNA clone MGC3559 IMAGE2823443), complete cds                                                                 | gb | BC001917.1 |          | 12804928 | uORF | MGC |
| Homo sapiens cyclin-dependent kinase inhibitor 1A (p21, Cip1), transcript variant 1, mRNA (cDNA clone MGC4059 IMAGE2823668), complete cds                                      | gb | BC001935.1 |          | 12804964 | uORF | MGC |
| Homo sapiens bruno-like 4, RNA binding protein (Drosophila), mRNA (cDNA clone MGC4320 IMAGE2820541), complete cds                                                              | gb | BC001946.1 |          | 12804984 | uORF | MGC |
| Homo sapiens KIAA1961 protein, mRNA (cDNA clone MGC867 IMAGE3536789), complete cds                                                                                             | gb | BC001956.1 |          | 12805004 | uORF | MGC |
| Homo sapiens cyclin-dependent kinase 9 (CDK2-related kinase), mRNA (cDNA clone MGC5166 IMAGE35460767), complete cds                                                            | gb | BC001968.1 |          | 12805028 | N/A  | MGC |
| Homo sapiens, U5 snRNP-specific protein, 116 kD, clone MGC8581 IMAGE2960886, mRNA, complete cds                                                                                | gb | BC002236.1 | BC002236 | 12803112 | uORF | MGC |
| Homo sapiens, hsp70-interacting protein, clone MGC8552 IMAGE2822836, mRNA, complete cds                                                                                        | gb | BC002273.1 | BC002273 | 12803138 | uORF | MGC |
| Homo sapiens integral membrane protein 2C, mRNA (cDNA clone MGC3011 IMAGE3162430), complete cds                                                                                | gb | BC002424.1 |          | 12803226 | uORF | MGC |
| Homo sapiens aldehyde dehydrogenase 3 family, member A2, mRNA (cDNA clone MGC2136 IMAGE3346662), complete cds                                                                  | gb | BC002430.1 |          | 12803234 | uORF | MGC |
| Homo sapiens, Similar to programmed cell death 9, clone MGC3043 IMAGE3342855, mRNA, complete cds                                                                               | gb | BC002460.1 | BC002460 | 12803288 | uORF | MGC |
| Homo sapiens cDNA clone MGC2575 IMAGE3051226, complete cds                                                                                                                     | gb | BC002493.1 |          | 12803348 | uORF | MGC |
| Homo sapiens acetylserotonin O-methyltransferase-like, mRNA (cDNA clone MGC2940 IMAGE3051194), complete cds                                                                    | gb | BC002508.2 |          | 38014296 | uORF | MGC |
| Homo sapiens, clone MGC2941 IMAGE3051214, mRNA, complete cds                                                                                                                   | gb | BC002509.1 | BC002509 | 12803376 | uORF | MGC |
| Homo sapiens, Similar to heat shock protein, 110 kDa, clone MGC1548 IMAGE3139645, mRNA, complete cds                                                                           | gb | BC002526.1 |          | 12803406 | uORF | MGC |
| Homo sapiens, phosphorylase kinase, gamma 2 (testis), clone MGC2028 IMAGE3138927, mRNA, complete cds                                                                           | gb | BC002541.1 |          | 12803434 | N/A  | MGC |
| Homo sapiens, CDC-like kinase 3, clone MGC1777 IMAGE3138580, mRNA, complete cds                                                                                                | gb | BC002555.1 |          | 12803460 | uORF | MGC |
| Homo sapiens, high-glucose-regulated protein 8, clone MGC739 IMAGE3139250, mRNA, complete cds                                                                                  | gb | BC002559.1 |          | 12803468 | uORF | MGC |
| Homo sapiens, hypothetical protein, clone MGC2478 IMAGE3139226, mRNA, complete cds                                                                                             | gb | BC002568.1 |          | 12803484 | uORF | MGC |
| Homo sapiens ubiquitin protein ligase E3A (human papilloma virus E6-associated protein, Angelman syndrome), transcript variant 3, mRNA (cDNA clone MGC2086 IMAGE3160225), corr | gb | BC002582.2 |          | 37589038 | uORF | MGC |
| Homo sapiens, Similar to hypothetical protein, clone MGC2992 IMAGE3160695, mRNA, complete cds                                                                                  | gb | BC002606.1 | BC002606 | 12803550 | uORF | MGC |
| Homo sapiens transgelin 2, mRNA (cDNA clone MGC2989 IMAGE3143116), complete cds                                                                                                | gb | BC002616.1 |          | 12803566 | uORF | MGC |
| Homo sapiens, SMA3, clone MGC1254 IMAGE3162004, mRNA, complete cds                                                                                                             | gb | BC002622.1 | BC002622 | 12803576 | uORF | MGC |
| Homo sapiens tribbles homolog 2, mRNA (cDNA clone MGC3860 IMAGE3607549), complete cds                                                                                          | gb | BC002637.1 |          | 12803604 | N/A  | MGC |
| Homo sapiens cell cycle related kinase, mRNA (cDNA clone MGC3757 IMAGE3605918), complete cds                                                                                   | gb | BC002655.2 |          | 33988018 | uORF | MGC |
| Homo sapiens, Similar to hypothetical protein FLJ20378, clone MGC3840 IMAGE3606164, mRNA, complete cds                                                                         | gb | BC002656.1 | BC002656 | 12803642 | uORF | MGC |
| Homo sapiens tropomodulin 1, mRNA (cDNA clone MGC3643 IMAGE3610014), complete cds                                                                                              | gb | BC002660.1 |          | 12803650 | uORF | MGC |
| Homo sapiens SERTA domain containing 1, mRNA (cDNA clone MGC3465 IMAGE3613213), complete cds                                                                                   | gb | BC002670.2 |          | 33876999 | uORF | MGC |
| Homo sapiens, hypothetical protein, clone MGC3375 IMAGE3609357, mRNA, complete cds                                                                                             | gb | BC002677.1 | BC002677 | 12803682 | uORF | MGC |
| Homo sapiens, Similar to thyroid hormone receptor interactor 6, clone MGC3837 IMAGE3610413, mRNA, complete cds                                                                 | gb | BC002680.1 |          | 12803688 | uORF | MGC |
| Homo sapiens, solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15, clone MGC3378 IMAGE3614008, mRNA, complete cds                                | gb | BC002702.1 |          | 12803730 | uORF | MGC |
| Homo sapiens, Similar to signal transducer and activator of transcription 1, 91kD, clone MGC3493 IMAGE3627218, mRNA, complete cds                                              | gb | BC002704.1 |          | 12803734 | uORF | MGC |
| Homo sapiens, Similar to v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 3, clone MGC3948 IMAGE3629646, mRNA, complete cds                                       | gb | BC002706.1 |          | 12803738 | uORF | MGC |
| Homo sapiens RAD51-like 3 (S. cerevisiae), mRNA (cDNA clone MGC3815 IMAGE3828519), complete cds                                                                                | gb | BC002723.2 |          | 33877082 | uORF | MGC |
| Homo sapiens DKFZP547E1010 protein, mRNA (cDNA clone IMAGE3632227), complete cds                                                                                               | gb | BC002733.2 |          | 33877094 | uORF | MGC |
| Homo sapiens, ATP-binding cassette, sub-family B (MDR/TAP), member 3, clone MGC3910 IMAGE3627670, mRNA, complete cds                                                           | gb | BC002751.1 | BC002751 | 12803820 | uORF | MGC |
| Homo sapiens, Similar to PTD015 protein, clone MGC3367 IMAGE3628061, mRNA, complete cds                                                                                        | gb | BC002752.1 |          | 12803822 | uORF | MGC |
| Homo sapiens MAP kinase-interacting serine/threonine kinase 1, mRNA (cDNA clone MGC3690 IMAGE3629765), complete cds                                                            | gb | BC002755.1 |          | 12803828 | N/A  | MGC |
| Homo sapiens, adenosine deaminase, tRNA-specific 1, clone MGC3393 IMAGE3632079, mRNA, complete cds                                                                             | gb | BC002758.1 | BC002758 | 12803834 | uORF | MGC |
| Homo sapiens chromosome 20 open reading frame 43, mRNA (cDNA clone IMAGE3615348), complete cds                                                                                 | gb | BC002769.1 |          | 12803852 | uORF | MGC |
| Homo sapiens myosin light chain 2, precursor lymphocyte-specific, mRNA (cDNA clone MGC3479 IMAGE3616529), complete cds                                                         | gb | BC002778.1 |          | 12803868 | uORF | MGC |
| Homo sapiens, interferon (alpha, beta and omega) receptor 2, clone MGC3873 IMAGE3626374, mRNA, complete cds                                                                    | gb | BC002793.1 | BC002793 | 12803892 | uORF | MGC |
| Homo sapiens tropomyosin 4, mRNA (cDNA clone MGC3641 IMAGE3637300), complete cds                                                                                               | gb | BC002827.1 |          | 12803958 | uORF | MGC |
| Homo sapiens zinc finger protein 434, mRNA (cDNA clone MGC4179 IMAGE3638050), complete cds                                                                                     | gb | BC002859.1 |          | 12804012 | uORF | MGC |
| Homo sapiens syntaxin binding protein 2, mRNA (cDNA clone MGC10436 IMAGE3942156), complete cds                                                                                 | gb | BC002869.2 |          | 38197219 | uORF | MGC |
| Homo sapiens metallophosphoesterase 1, mRNA (cDNA clone MGC11258 IMAGE3942160), complete cds                                                                                   | gb | BC002877.2 |          | 33877276 | uORF | MGC |
| Homo sapiens, cysteinyl-tRNA synthetase, clone MGC11246 IMAGE3940167, mRNA, complete cds                                                                                       | gb | BC002880.1 | BC002880 | 12804054 | uORF | MGC |
| Homo sapiens chromosome 16 open reading frame 5, mRNA (cDNA clone MGC10318 IMAGE3941342), complete cds                                                                         | gb | BC002882.1 |          | 12804058 | uORF | MGC |
| Homo sapiens uridine monophosphate kinase, mRNA (cDNA clone MGC10318 IMAGE3940564), complete cds                                                                               | gb | BC002906.2 |          | 33991104 | uORF | MGC |
| Homo sapiens family with sequence similarity 3, member A, mRNA (cDNA clone IMAGE3953313), complete cds                                                                         | gb | BC002934.1 |          | 12804156 | uORF | MGC |
| Homo sapiens, clone MGC11349 IMAGE3553936, mRNA, complete cds                                                                                                                  | gb | BC002940.1 | BC002940 | 12804164 | uORF | MGC |
| Homo sapiens FLJ110101 protein, mRNA (cDNA clone MGC10629 IMAGE3954912), complete cds                                                                                          | gb | BC002945.2 |          | 33877389 | uORF | MGC |
| Homo sapiens protein transport protein SEC61 alpha subunit isoform 1, mRNA (cDNA clone MGC1086 IMAGE3510682), complete cds                                                     | gb | BC002951.1 |          | 12804186 | uORF | MGC |
| Homo sapiens UDP-glucose pyrophosphorylase 2, mRNA (cDNA clone MGC1251 IMAGE3542849), complete cds                                                                             | gb | BC002954.1 |          | 12804192 | uORF | MGC |
| Homo sapiens ubiquitin specific protease 2, transcript variant 1, mRNA (cDNA clone MGC1315 IMAGE3543435), complete cds                                                         | gb | BC002955.1 |          | 12804194 | uORF | MGC |
| Homo sapiens, cyclin-dependent kinase 2, clone MGC1784 IMAGE3504348, mRNA, complete cds                                                                                        | gb | BC003065.1 | BC003065 | 13111755 | N/A  | MGC |
| Homo sapiens, GATA-binding protein 3, clone MGC2346 IMAGE3504200, mRNA, complete cds                                                                                           | gb | BC003070.1 | BC003070 | 13111765 | uORF | MGC |
| Homo sapiens Ras-related GTP binding D, mRNA (cDNA clone MGC1129 IMAGE3538088), complete cds                                                                                   | gb | BC003088.1 |          | 13111842 | uORF | MGC |
| Homo sapiens chromosome 1 open reading frame 8, mRNA (cDNA clone MGC1961 IMAGE3501639), complete cds                                                                           | gb | BC003106.1 |          | 13111876 | uORF | MGC |
| Homo sapiens nuclear distribution gene C homolog (A. nidulans), mRNA (cDNA clone MGC3526 IMAGE2958251), complete cds                                                           | gb | BC003132.1 |          | 13111922 | uORF | MGC |
| Homo sapiens tripartite motif-containing 32, mRNA (cDNA clone MGC4116 IMAGE2960624), complete cds                                                                              | gb | BC003154.1 |          | 13111962 | uORF | MGC |
| Homo sapiens polymerase (DNA directed), epsilon 3 (p17 subunit), mRNA (cDNA clone MGC4348 IMAGE2822216), complete cds                                                          | gb | BC003166.1 |          | 13111988 | uORF | MGC |
| Homo sapiens oxysterol binding protein-like 10, mRNA (cDNA clone MGC4401 IMAGE2905981), complete cds                                                                           | gb | BC003168.1 |          | 13111990 | uORF | MGC |
| Homo sapiens mutY homolog (E. coli), mRNA (cDNA clone MGC4416 IMAGE2958002), complete cds                                                                                      | gb | BC003178.1 |          | 13112006 | uORF | MGC |
| Homo sapiens glucosidase, beta; acid (includes glucosylceramidase), mRNA (cDNA clone MGC5191 IMAGE2899915), complete cds                                                       | gb | BC003356.1 |          | 13097170 | uORF | MGC |
| Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 18, mRNA (cDNA clone MGC5316 IMAGE2900252), complete cds                                                                   | gb | BC003360.1 |          | 13097182 | uORF | MGC |
| Homo sapiens calcium regulated heat stable protein 1, 24kDa, mRNA (cDNA clone MGC5235 IMAGE2900952), complete cds                                                              | gb | BC003366.1 |          | 13097197 | uORF | MGC |

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| Homo sapiens ELAV (embryonic lethal, abnormal vision, Drosophila)-like 1 (Hu antigen R), mRNA (cDNA clone MGC5084 IMAGE2901220), complete cds                                        | gb | BC003376.1 | 13097227 | uORF | MGC |
| Homo sapiens transcription factor B2, mitochondrial, mRNA (cDNA clone MGC53588 IMAGE3049009), complete cds                                                                           | gb | BC003383.1 | 13097248 | uORF | MGC |
| Homo sapiens chromosome 1 open reading frame 27, mRNA (cDNA clone MGC4960 IMAGE3448518), complete cds                                                                                | gb | BC003397.1 | 13097284 | uORF | MGC |
| Homo sapiens TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 32kDa, transcript variant 1, mRNA (cDNA clone MGC5067 IMAGE3448838), complete cds             | gb | BC003400.1 | 13097290 | uORF | MGC |
| Homo sapiens RAP2C, member of RAS oncogene family, mRNA (cDNA clone MGC4995 IMAGE3449262), complete cds                                                                              | gb | BC003403.1 | 13097299 | uORF | MGC |
| Homo sapiens melanoma antigen, family A, 12, mRNA (cDNA clone MGC4914 IMAGE3540217), complete cds                                                                                    | gb | BC003408.2 | 34189621 | uORF | MGC |
| Homo sapiens mesothelin, transcript variant 1, mRNA (cDNA clone MGC10686 IMAGE3611296), complete cds                                                                                 | gb | BC003512.1 | 13097581 | uORF | MGC |
| Homo sapiens TPA regulated locus, mRNA (cDNA clone MGC10813 IMAGE3612957), complete cds                                                                                              | gb | BC003545.1 | 13097665 | uORF | MGC |
| Homo sapiens transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase), transcript variant 2, mRNA (cDNA clone MGC1193 IMAGE3544757), complete cds             | gb | BC003551.1 | 13097680 | uORF | MGC |
| Homo sapiens DKFZP564C186 protein, mRNA (cDNA clone MGC1451 IMAGE3546209), complete cds                                                                                              | gb | BC003555.1 | 13097692 | uORF | MGC |
| Homo sapiens zinc finger protein 24 (KOX 17), mRNA (cDNA clone MGC2057 IMAGE3537180), complete cds                                                                                   | gb | BC003566.1 | 13097725 | uORF | MGC |
| Homo sapiens SVH protein, mRNA (cDNA clone MGC3195 IMAGE3537276), complete cds                                                                                                       | gb | BC003586.1 | 13097778 | uORF | MGC |
| Homo sapiens hypothetical protein MGC4368, mRNA (cDNA clone MGC4368 IMAGE2822930), complete cds                                                                                      | gb | BC003595.1 | 13097803 | uORF | MGC |
| Homo sapiens importin 9, mRNA (cDNA clone IMAGE3546351), partial cds                                                                                                                 | gb | BC003604.1 | 13097824 | uORF | MGC |
| Homo sapiens, RNA-binding protein gene with multiple splicing, clone MGC1257 IMAGE3505124, mRNA, complete cds                                                                        | gb | BC003608.1 | 13177643 | uORF | MGC |
| Homo sapiens milk fat globule-EGF factor 8 protein, mRNA (cDNA clone MGC1373 IMAGE2988915), complete cds                                                                             | gb | BC003610.2 | 34785035 | uORF | MGC |
| Homo sapiens, gene from NF2/ meningioma region of 22q12, clone MGC1540 IMAGE2988049, mRNA, complete cds                                                                              | gb | BC003615.1 | 13177658 | uORF | MGC |
| Homo sapiens, Similar to RIKEN cDNA 3222401G21 gene, clone MGC4674 IMAGE3532466, mRNA, complete cds                                                                                  | gb | BC003643.1 | 13177735 | uORF | MGC |
| Homo sapiens, hypothetical protein FLJ121324, clone MGC4744 IMAGE3536686, mRNA, complete cds                                                                                         | gb | BC003651.1 | 13177759 | uORF | MGC |
| Homo sapiens NAD synthetase 1, mRNA (cDNA clone MGC0845 IMAGE2966503), complete cds                                                                                                  | gb | BC003666.2 | 33869253 | uORF | MGC |
| Homo sapiens, Similar to bridging integrator 1, clone MGC10367 IMAGE3688734, mRNA, complete cds                                                                                      | gb | BC004101.1 | 13278632 | uORF | MGC |
| Homo sapiens, RNA polymerase II transcriptional regulation mediator (Med6, S. cerevisiae, homolog of), clone MGC10604 IMAGE3936675, mRNA, complete cds                               | gb | BC004106.1 | 13278644 | uORF | MGC |
| Homo sapiens, Similar to RIKEN cDNA 3222401G21 gene, clone MGC11169 IMAGE3843062, mRNA, complete cds                                                                                 | gb | BC004117.1 | 13278671 | uORF | MGC |
| Homo sapiens, Similar to RIKEN cDNA 5830446M03 gene, clone MGC11203 IMAGE3927759, mRNA, complete cds                                                                                 | gb | BC004122.1 | 13278680 | uORF | MGC |
| Homo sapiens, NMA (never in mitosis gene a)-related kinase 6, clone MGC2768 IMAGE2956895, mRNA, complete cds                                                                         | gb | BC004174.1 | 13278809 | uORF | MGC |
| Homo sapiens, Similar to hypothetical protein FLJ10928, clone MGC2772 IMAGE2958967, mRNA, complete cds                                                                               | gb | BC004176.1 | 13278815 | uORF | MGC |
| Homo sapiens, calcium binding atopy-related autoantigen 1, clone MGC2891 IMAGE3009677, mRNA, complete cds                                                                            | gb | BC004190.1 | 13278854 | uORF | MGC |
| Homo sapiens, protein kinase Chk2, clone MGC4081 IMAGE3532866, mRNA, complete cds                                                                                                    | gb | BC004207.1 | 13278893 | N/A  | MGC |
| Homo sapiens, clone MGC4604 IMAGE3534271, mRNA, complete cds                                                                                                                         | gb | BC004219.1 | 13278928 | uORF | MGC |
| Homo sapiens, Similar to hypothetical protein FLJ20075, clone MGC4768 IMAGE3538778, mRNA, complete cds                                                                               | gb | BC004226.1 | 13278947 | uORF | MGC |
| Homo sapiens, clone MGC4837 IMAGE3604268, mRNA, complete cds                                                                                                                         | gb | BC004233.1 | 13278968 | uORF | MGC |
| Homo sapiens ubiquitin-conjugating enzyme E2S, mRNA (cDNA clone MGC801 IMAGE2988449), complete cds                                                                                   | gb | BC004236.2 | 33869227 | uORF | MGC |
| Homo sapiens E1B-55kDa-associated protein 5, transcript variant 3, mRNA (cDNA clone IMAGE3619753), complete cds                                                                      | gb | BC004242.1 | 13278995 | uORF | MGC |
| Homo sapiens ras-related G3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1), transcript variant Rac1, mRNA (cDNA clone MGC10547 IMAGE3610745), complete cds | gb | BC004247.1 | 13279010 | uORF | MGC |
| Homo sapiens bone morphogenetic protein 7 (osteoogenic protein 1), mRNA (cDNA clone MGC10050 IMAGE3611006), complete cds                                                             | gb | BC004248.1 | 13279013 | uORF | MGC |
| Homo sapiens WW domain containing adaptor with coiled-coil, transcript variant 1, mRNA (cDNA clone MGC10753 IMAGE3347345), complete cds                                              | gb | BC004258.1 | 13279043 | uORF | MGC |
| Homo sapiens chromosome 14 open reading frame 140, mRNA (cDNA clone MGC10761 IMAGE3606108), complete cds                                                                             | gb | BC004259.1 | 13279046 | uORF | MGC |
| Homo sapiens carnosinase 1, mRNA (cDNA clone MGC10825 IMAGE3614507), complete cds                                                                                                    | gb | BC004271.1 | 13279082 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ10719, mRNA (cDNA clone MGC10837 IMAGE3615489), complete cds                                                                                    | gb | BC004277.1 | 13279100 | uORF | MGC |
| Homo sapiens PHD finger protein 15, mRNA (cDNA clone IMAGE3621568), complete cds                                                                                                     | gb | BC004292.1 | 13279142 | uORF | MGC |
| Homo sapiens core promoter element binding protein, mRNA (cDNA clone MGC10898 IMAGE3623401), complete cds                                                                            | gb | BC004301.1 | 13279169 | uORF | MGC |
| Homo sapiens peptidase D, mRNA (cDNA clone MGC10905 IMAGE3626134), complete cds                                                                                                      | gb | BC004305.1 | 13279181 | uORF | MGC |
| Homo sapiens RAN binding protein 3, mRNA (cDNA clone MGC1177 IMAGE3350317), complete cds                                                                                             | gb | BC004349.1 | 13279301 | uORF | MGC |
| Homo sapiens KIAA0174 gene product, mRNA (cDNA clone MGC4312 IMAGE2819828), complete cds                                                                                             | gb | BC004359.1 | 13279328 | uORF | MGC |
| Homo sapiens amyloid beta (A4) precursor-like protein 2, mRNA (cDNA clone MGC10449 IMAGE3640033), complete cds                                                                       | gb | BC004371.1 | 13325115 | uORF | MGC |
| Homo sapiens annexin A8, mRNA (cDNA clone MGC10570 IMAGE3639064), complete cds                                                                                                       | gb | BC004376.1 | 13325125 | uORF | MGC |
| Homo sapiens chromosome 9 open reading frame 64, mRNA (cDNA clone MGC10999 IMAGE3638524), complete cds                                                                               | gb | BC004407.1 | 13325177 | uORF | MGC |
| Homo sapiens polymerase (RNA) III (DNA directed) (62kD), mRNA (cDNA clone MGC3538 IMAGE2820818), complete cds                                                                        | gb | BC004424.1 | 13325208 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ12584, mRNA (cDNA clone MGC11212 IMAGE3929097), complete cds                                                                                    | gb | BC004514.1 | 13325429 | uORF | MGC |
| Homo sapiens, clone MGC11229 IMAGE3838134, mRNA, complete cds                                                                                                                        | gb | BC004518.1 | 13325438 | uORF | MGC |
| Homo sapiens, clone MGC11238 IMAGE3839191, mRNA, complete cds                                                                                                                        | gb | BC004522.1 | 13325450 | uORF | MGC |
| Homo sapiens chromosome 14 open reading frame 129, mRNA (cDNA clone MGC04945 IMAGE35449501), complete cds                                                                            | gb | BC004818.2 | 34189223 | uORF | MGC |
| Homo sapiens, Similar to RIKEN cDNA 4933407D05 gene, clone MGC11143 IMAGE3837394, mRNA, complete cds                                                                                 | gb | BC004885.1 | 13436138 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ110052, mRNA (cDNA clone MGC11193 IMAGE3926397), complete cds                                                                                   | gb | BC004888.2 | 33871233 | uORF | MGC |
| Homo sapiens, clone MGC4271 IMAGE3605145, mRNA, complete cds                                                                                                                         | gb | BC004902.1 | 13436178 | uORF | MGC |
| Homo sapiens hypothetical protein BC004921, mRNA (cDNA clone MGC4821 IMAGE3546703), complete cds                                                                                     | gb | BC004921.1 | 13436235 | uORF | MGC |
| Homo sapiens G protein-coupled receptor, family C, group 5, member C, mRNA (cDNA clone IMAGE3622005), complete cds                                                                   | gb | BC004925.1 | 13436247 | uORF | MGC |
| Homo sapiens chromosome 11 open reading frame 9, mRNA (cDNA clone IMAGE3608282), complete cds                                                                                        | gb | BC004938.1 | 13436286 | uORF | MGC |
| Homo sapiens lamina-associated polypeptide 1B, mRNA (cDNA clone IMAGE2906290), complete cds                                                                                          | gb | BC004969.1 | 13436373 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ10156, mRNA (cDNA clone MGC961 IMAGE3533875), complete cds                                                                                      | gb | BC005004.1 | 13436475 | uORF | MGC |
| Homo sapiens carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen), mRNA (cDNA clone MGC10467 IMAGE3640231), complete cds                  | gb | BC005008.1 | 13477106 | uORF | MGC |
| Homo sapiens myxoid liposarcoma associated protein 4, mRNA (cDNA clone MGC12594 IMAGE4040181), complete cds                                                                          | gb | BC005029.1 | 13477142 | uORF | MGC |
| Homo sapiens forkhead box P1, mRNA (cDNA clone IMAGE2823189), complete cds                                                                                                           | gb | BC005055.1 | 13477186 | uORF | MGC |
| Homo sapiens Williams Beuren syndrome chromosome region 18, mRNA (cDNA clone MGC12943 IMAGE2823228), complete cds                                                                    | gb | BC005056.1 | 13477188 | uORF | MGC |
| Homo sapiens Rab6-interacting protein 2, mRNA (cDNA clone IMAGE3346702), complete cds                                                                                                | gb | BC005065.1 | 13477202 | uORF | MGC |
| Homo sapiens hypothetical protein MGC13008, mRNA (cDNA clone MGC13008 IMAGE3532504), complete cds                                                                                    | gb | BC005072.1 | 13477214 | uORF | MGC |
| Homo sapiens hypothetical protein MGC13071, mRNA (cDNA clone IMAGE3690040), complete cds                                                                                             | gb | BC005085.1 | 13477238 | uORF | MGC |
| Homo sapiens, Similar to ribosomal protein L14, clone MGC11208 IMAGE3928410, mRNA, complete cds                                                                                      | gb | BC005134.1 | 13477318 | uORF | MGC |
| Homo sapiens ubiquitin specific protease 5 (isopeptidase T), mRNA (cDNA clone MGC1586 IMAGE3506801), complete cds                                                                    | gb | BC005139.2 | 34782935 | uORF | MGC |
| Homo sapiens rabphilin 3A-like (without C2 domains), mRNA (cDNA clone MGC3453 IMAGE3529317), complete cds                                                                            | gb | BC005153.1 | 13477352 | uORF | MGC |
| Homo sapiens, Similar to Rho guanine nucleotide exchange factor (GEF) 1, clone MGC3842 IMAGE3530329, mRNA, complete cds                                                              | gb | BC005155.1 | 13477356 | uORF | MGC |
| Homo sapiens, clone MGC990 IMAGE3507275, mRNA, complete cds                                                                                                                          | gb | BC005177.1 | 13477396 | uORF | MGC |
| Homo sapiens hypothetical protein HSPC155, mRNA (cDNA clone MGC12182 IMAGE3961569), complete cds                                                                                     | gb | BC005187.1 | 13528770 | uORF | MGC |
| Homo sapiens chromosome 14 open reading frame 100, mRNA (cDNA clone MGC12205 IMAGE3838401), complete cds                                                                             | gb | BC005198.1 | 13528797 | uORF | MGC |
| Homo sapiens chaperonin containing TCP1, subunit 8 (theta), mRNA (cDNA clone IMAGE3930332), complete cds                                                                             | gb | BC005220.1 | 13528842 | uORF | MGC |
| Homo sapiens MRE11 meiotic recombination 11 homolog A (S. cerevisiae), mRNA (cDNA clone IMAGE3997666), complete cds                                                                  | gb | BC005241.1 | 13528887 | uORF | MGC |
| Homo sapiens eukaryotic translation initiation factor 1A, Y-linked, mRNA (cDNA clone MGC12282 IMAGE3933718), complete cds                                                            | gb | BC005248.1 | 13528902 | uORF | MGC |
| Homo sapiens estrogen receptor binding site associated, antigen, 9, mRNA (cDNA clone MGC12283 IMAGE3930583), complete cds                                                            | gb | BC005249.1 | 13528905 | uORF | MGC |
| Homo sapiens Kelch motif containing protein, mRNA (cDNA clone IMAGE3951189), complete cds                                                                                            | gb | BC005253.1 | 13528917 | uORF | MGC |
| Homo sapiens C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 2 (activation-induced), mRNA (cDNA clone MGC12289 IMAGE3996700), complete cds    | gb | BC005254.1 | 13528920 | uORF | MGC |
| Homo sapiens X-ray repair complementing defective repair in Chinese hamster cells 4, mRNA (cDNA clone MGC12297 IMAGE3838919), complete cds                                           | gb | BC005259.1 | 13528935 | uORF | MGC |
| Homo sapiens carboxypeptidase A1 (pancreatic), mRNA (cDNA clone MGC12328 IMAGE3948950), complete cds                                                                                 | gb | BC005279.1 | 13528974 | uORF | MGC |
| Homo sapiens kynurenine 3-monoxygenase (kynurenine 3-hydroxylase), mRNA (cDNA clone MGC12362 IMAGE3934714), complete cds                                                             | gb | BC005297.1 | 13529016 | uORF | MGC |
| Homo sapiens cyclin-dependent kinase 7 (MO15 homolog, Xenopus laevis, cdk-activating kinase), mRNA (cDNA clone MGC12365 IMAGE3997991), complete cds                                  | gb | BC005298.1 | 13529019 | uORF | MGC |
| Homo sapiens cDNA clone MGC12418 IMAGE3934658, complete cds                                                                                                                          | gb | BC005332.1 | 13529115 | uORF | MGC |
| Homo sapiens thiopurine S-methyltransferase, mRNA (cDNA clone MGC12430 IMAGE3829338), complete cds                                                                                   | gb | BC005339.1 | 13529133 | uORF | MGC |
| Homo sapiens general transcription factor TFI <sub>h</sub> , polypeptide 2, 44kDa, mRNA (cDNA clone IMAGE3932186), complete cds                                                      | gb | BC005345.1 | 13529148 | uORF | MGC |
| Homo sapiens regenerating islet-derived 1 alpha (pancreatic stone protein, pancreatic threat protein), mRNA (cDNA clone MGC12447 IMAGE3850349), complete cds                         | gb | BC005350.1 | 13529160 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ11218, mRNA (cDNA clone MGC12474 IMAGE3828014), complete cds                                                                                    | gb | BC005364.1 | 13529196 | uORF | MGC |
| Homo sapiens N-acetylglucosamine kinase, mRNA (cDNA clone MGC12486 IMAGE3932248), complete cds                                                                                       | gb | BC005371.1 | 13529214 | uORF | MGC |
| Homo sapiens mitochondrial ribosomal protein S18B, mRNA (cDNA clone MGC12489 IMAGE3933607), complete cds                                                                             | gb | BC005373.1 | 13529220 | uORF | MGC |
| Homo sapiens complement component 4 binding protein, beta, mRNA (cDNA clone MGC12494 IMAGE3934453), complete cds                                                                     | gb | BC005378.1 | 13529235 | uORF | MGC |
| Homo sapiens SPANX family, member E, mRNA (cDNA clone MGC12501 IMAGE3935644), complete cds                                                                                           | gb | BC005382.1 | 13529244 | uORF | MGC |
| Homo sapiens centrin, EF-hand protein, 3 (CDC31 homolog, yeast), mRNA (cDNA clone MGC12502 IMAGE3935674), complete cds                                                               | gb | BC005383.1 | 13529247 | uORF | MGC |
| Homo sapiens origin recognition complex, subunit 4-like (yeast), mRNA (cDNA clone MGC12513 IMAGE3961107), complete cds                                                               | gb | BC005388.1 | 13529259 | uORF | MGC |
| Homo sapiens hemopexin, mRNA (cDNA clone MGC12533 IMAGE4071616), complete cds                                                                                                        | gb | BC005395.1 | 13529280 | uORF | MGC |
| Homo sapiens leucine-rich repeat kinase 1, mRNA (cDNA clone IMAGE34463078), partial cds                                                                                              | gb | BC005408.1 | 13529310 | N/A  | MGC |
| Homo sapiens leucine-rich repeat kinase 1, mRNA (cDNA clone IMAGE34463078), partial cds                                                                                              | gb | BC005408.1 | 13529310 | uORF | MGC |
| Homo sapiens stearyl-CoA desaturase (delta-9-desaturase), mRNA (cDNA clone MGC10264 IMAGE3844850), complete cds                                                                      | gb | BC005807.2 | 33871017 | uORF | MGC |
| Homo sapiens, signal transducer and activator of transcription 6, interleukin-4 induced, clone MGC1606 IMAGE2958389, mRNA, complete cds                                              | gb | BC005823.1 | 13543314 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE3029863, partial cds                                                                                                                                    | gb | BC005857.1 | 13543396 | uORF | MGC |
| Homo sapiens, clone MGC3255 IMAGE3506187, mRNA, complete cds                                                                                                                         | gb | BC005858.1 | 13543399 | uORF | MGC |
| Homo sapiens, ATPase, H <sup>+</sup> transporting, lysosomal (vacuolar proton pump) 21kD, clone MGC4498 IMAGE2964510, mRNA, complete cds                                             | gb | BC005876.1 | 13543437 | uORF | MGC |
| Homo sapiens pelota homolog (Drosophila), mRNA (cDNA clone MGC724 IMAGE2967612), complete cds                                                                                        | gb | BC005889.2 | 33870521 | uORF | MGC |
| Homo sapiens natriuretic peptide precursor A, mRNA (cDNA clone MGC14467 IMAGE4273949), complete cds                                                                                  | gb | BC005893.1 | 13543468 | uORF | MGC |
| Homo sapiens COX11 homolog, cytochrome c oxidase assembly protein (yeast), mRNA (cDNA clone MGC14469 IMAGE4282744), complete cds                                                     | gb | BC005895.1 | 13543474 | uORF | MGC |
| Homo sapiens biliverdin reductase A, mRNA (cDNA clone MGC14491 IMAGE4282476), complete cds                                                                                           | gb | BC005902.1 | 13543488 | uORF | MGC |
| Homo sapiens sterol carrier protein 2, mRNA (cDNA clone IMAGE4287946), complete cds                                                                                                  | gb | BC005911.1 | 13543502 | uORF | MGC |
| Homo sapiens islet cell autoantigen 1, 68kDa, mRNA (cDNA clone MGC14523 IMAGE4133583), complete cds                                                                                  | gb | BC005922.1 | 13543527 | uORF | MGC |
| Homo sapiens CD58 antigen, (lymphocyte function-associated antigen 3), mRNA (cDNA clone MGC14538 IMAGE4258827), complete cds                                                         | gb | BC005930.1 | 13543544 | uORF | MGC |
| Homo sapiens eukaryotic translation initiation factor 3, subunit 6 48kDa, mRNA (cDNA clone MGC14576 IMAGE4106529), complete cds                                                      | gb | BC005944.1 | 13543582 | uORF | MGC |
| Homo sapiens hypothetical protein MGC27165, mRNA (cDNA clone MGC14588 IMAGE4249174), complete cds                                                                                    | gb | BC005951.1 | 13543596 | uORF | MGC |
| Homo sapiens hypothetical protein MGC14595, mRNA (cDNA clone MGC14595 IMAGE4285502), complete cds                                                                                    | gb | BC005955.1 | 13543605 | uORF | MGC |
| Homo sapiens cytoskeleton associated protein 1, mRNA (cDNA clone MGC14625 IMAGE4076810), complete cds                                                                                | gb | BC005969.1 | 13543641 | uORF | MGC |
| Homo sapiens vesicle-associated membrane protein 4, mRNA (cDNA clone MGC14658 IMAGE4102457), complete cds                                                                            | gb | BC005974.1 | 13543647 | uORF | MGC |
| Homo sapiens peptidylprolyl isomerase A (cyclophilin A), mRNA (cDNA clone MGC14681 IMAGE4109260), complete cds                                                                       | gb | BC005982.1 | 13543665 | uORF | MGC |
| Homo sapiens chromosome 20 open reading frame 7, mRNA (cDNA clone IMAGE4247211), complete cds                                                                                        | gb | BC005984.1 | 13543668 | uORF | MGC |
| Homo sapiens uncharacterized hematopoietic stem/progenitor cells protein MD5032, mRNA (cDNA clone MGC14828 IMAGE4279653), complete cds                                               | gb | BC006005.1 | 13543708 | uORF | MGC |
| Homo sapiens tumor suppressing subtransferrable candidate 4, mRNA (cDNA clone MGC12673 IMAGE3677524), complete cds                                                                   | gb | BC006091.1 | 13543889 | uORF | MGC |
| Homo sapiens RIO kinase 1 (yeast), transcript variant 1, mRNA (cDNA clone MGC12903 IMAGE3537086), complete cds                                                                       | gb | BC006104.1 | 13543921 | uORF | MGC |
| Homo sapiens chromosome 6 open reading frame 134, mRNA (cDNA clone MGC12938 IMAGE36220493), complete cds                                                                             | gb | BC006105.1 | 13543924 | uORF | MGC |
| Homo sapiens ribosomal protein S6 kinase, 70kDa, polypeptide 2, mRNA (cDNA clone IMAGE2959036), partial cds                                                                          | gb | BC006106.1 | 13543927 | N/A  | MGC |
| Homo sapiens IMP (inosine monophosphate) dehydrogenase 2, mRNA (cDNA clone MGC13021 IMAGE3545693), complete cds                                                                      | gb | BC006124.1 | 13543972 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ11848, mRNA (cDNA clone MGC13088 IMAGE3937356), complete cds                                                                                    | gb | BC006142.2 | 19718806 | uORF | MGC |
| Homo sapiens zinc finger protein 339, mRNA (cDNA clone MGC13109 IMAGE3959436), complete cds                                                                                          | gb | BC006148.1 | 13544025 | uORF | MGC |

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| Homo sapiens calmodulin 3 (phosphorylase kinase, delta), mRNA (cDNA clone MGC715 IMAGE3528814), complete cds                                                         | gb | BC006182.1 |          | 13544109 | uORF | MGC |
| Homo sapiens, clone MGC10421 IMAGE3936851, mRNA, complete cds                                                                                                        | gb | BC006191.1 | BC006191 | 13623190 | uORF | MGC |
| Homo sapiens, forkhead box M1, clone MGC10704 IMAGE3833837, mRNA, complete cds                                                                                       | gb | BC006192.1 | BC006192 | 13623192 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE2821948, partial cds                                                                                                                    | gb | BC006199.1 |          | 13623206 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE3943842, complete cds                                                                                                                   | gb | BC006222.2 |          | 33988820 | uORF | MGC |
| Homo sapiens, Similar to inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta, clone MGC11285 IMAGE3945886, mRNA, complete cds                 | gb | BC006231.1 | BC006231 | 13623262 | uORF | MGC |
| Homo sapiens, ketohexokinase (fructokinase), clone MGC10370 IMAGE3946893, mRNA, complete cds                                                                         | gb | BC006233.1 | BC006233 | 13623266 | uORF | MGC |
| Homo sapiens, NP0007 protein, clone MGC11297 IMAGE3947793, mRNA, complete cds                                                                                        | gb | BC006234.1 | BC006234 | 13623268 | uORF | MGC |
| Homo sapiens, clone MGC10619 IMAGE3948607, mRNA, complete cds                                                                                                        | gb | BC006252.1 | BC006252 | 13623302 | uORF | MGC |
| Homo sapiens, clone MGC11314 IMAGE3949589, mRNA, complete cds                                                                                                        | gb | BC006273.1 | BC006273 | 13623338 | uORF | MGC |
| Homo sapiens, clone MGC12858 IMAGE4106997, mRNA, complete cds                                                                                                        | gb | BC006306.1 | BC006306 | 13623418 | uORF | MGC |
| Homo sapiens, erythrocyte membrane protein band 4.9 (dema1n), clone MGC12740 IMAGE4125804, mRNA, complete cds                                                        | gb | BC006318.1 | BC006318 | 13623436 | uORF | MGC |
| Homo sapiens bifunctional phosphorantethine adenylyl transferase/dephospho CoA kinase, mRNA (cDNA clone IMAGE4123850), complete cds                                  | gb | BC006354.1 |          | 13623498 | uORF | MGC |
| Homo sapiens invertin, mRNA (cDNA clone IMAGE4138301), complete cds                                                                                                  | gb | BC006370.2 |          | 33871595 | uORF | MGC |
| Homo sapiens, N-myristoyltransferase 2, clone MGC12700 IMAGE4299115, mRNA, complete cds                                                                              | gb | BC006376.1 | BC006376 | 13623534 | uORF | MGC |
| Homo sapiens, Similar to carboxypeptidase Z, clone MGC12742 IMAGE4137312, mRNA, complete cds                                                                         | gb | BC006393.1 | BC006393 | 13623560 | uORF | MGC |
| Homo sapiens chromosome 1 open reading frame 6, mRNA (cDNA clone IMAGE2988342), complete cds                                                                         | gb | BC006410.1 |          | 13623588 | uORF | MGC |
| Homo sapiens hypothetical protein MGC12981, mRNA (cDNA clone MGC12981 IMAGE3350642), complete cds                                                                    | gb | BC006429.1 |          | 13623620 | uORF | MGC |
| Homo sapiens KIAA0592 protein, mRNA (cDNA clone MGC1426 IMAGE3538558), complete cds                                                                                  | gb | BC006456.1 |          | 13623660 | uORF | MGC |
| Homo sapiens macrophage erythroidblast attacher, mRNA (cDNA clone MGC3775 IMAGE2823478), complete cds                                                                | gb | BC006470.1 |          | 13623684 | uORF | MGC |
| Homo sapiens v-Ha-ras Harvey rat sarcoma viral oncogene homolog, mRNA (cDNA clone MGC2359 IMAGE2819996), complete cds                                                | gb | BC006499.1 |          | 13676333 | uORF | MGC |
| Homo sapiens, RNA binding motif protein, X chromosome, clone MGC2471 IMAGE3010123, mRNA, complete cds                                                                | gb | BC006550.1 | BC006550 | 13630655 | uORF | MGC |
| Homo sapiens nucleolar and coiled-body phosphoprotein 1, mRNA (cDNA clone MGC5049 IMAGE2900024), complete cds                                                        | gb | BC006769.1 |          | 13879573 | uORF | MGC |
| Homo sapiens GATA binding protein 3, mRNA (cDNA clone MGC5199 IMAGE2895843), complete cds                                                                            | gb | BC006793.1 |          | 13905019 | uORF | MGC |
| Homo sapiens interferon induced transmembrane protein 3 (1-BU), mRNA (cDNA clone MGC5225 IMAGE2986145), complete cds                                                 | gb | BC006794.1 |          | 13905021 | uORF | MGC |
| Homo sapiens peroxisome proliferative activated receptor, gamma, transcript variant 3, mRNA (cDNA clone MGC5041 IMAGE3447380), complete cds                          | gb | BC006811.1 |          | 13905055 | uORF | MGC |
| Homo sapiens GATA binding protein 3, mRNA (cDNA clone IMAGE3450299), complete cds                                                                                    | gb | BC006839.1 |          | 13905105 | uORF | MGC |
| Homo sapiens dynein 2 light intermediate chain, mRNA (cDNA clone MGC12166 IMAGE3828551), complete cds                                                                | gb | BC006969.1 |          | 13937752 | uORF | MGC |
| Homo sapiens chromosome 9 open reading frame 83, mRNA (cDNA clone MGC12180 IMAGE3996277), complete cds                                                               | gb | BC006974.1 |          | 13937758 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ11016, mRNA (cDNA clone MGC12215 IMAGE3995903), complete cds                                                                    | gb | BC006986.1 |          | 13937774 | uORF | MGC |
| Homo sapiens isopentenyl-diphosphate delta isomerase, mRNA (cDNA clone MGC12280 IMAGE3683381), complete cds                                                          | gb | BC006999.1 |          | 13937798 | uORF | MGC |
| Homo sapiens transglutaminase 4 (prostate), mRNA (cDNA clone MGC12298 IMAGE3950865), complete cds                                                                    | gb | BC007003.1 |          | 13937805 | uORF | MGC |
| Homo sapiens carboxypeptidase A2 (pancreatic), mRNA (cDNA clone MGC12327 IMAGE3949984), complete cds                                                                 | gb | BC007009.1 |          | 13937814 | uORF | MGC |
| Homo sapiens tumor necrosis factor, alpha-induced protein 8, mRNA (cDNA clone MGC12346 IMAGE3930240), complete cds                                                   | gb | BC007014.1 |          | 13937825 | uORF | MGC |
| Homo sapiens cyclin E2, transcript variant 3, mRNA (cDNA clone MGC12348 IMAGE3997513), complete cds                                                                  | gb | BC007015.1 |          | 14711968 | uORF | MGC |
| Homo sapiens vesicle-associated membrane protein 4, transcript variant 2, mRNA (cDNA clone MGC12355 IMAGE3961237), complete cds                                      | gb | BC007019.1 |          | 13937832 | uORF | MGC |
| Homo sapiens serum amyloid A1, mRNA (cDNA clone MGC12369 IMAGE4071612), complete cds                                                                                 | gb | BC007022.1 |          | 13937838 | uORF | MGC |
| Homo sapiens, Similar to ataxia telangiectasia mutated (includes complementation groups A, C and D), clone MGC12371 IMAGE3950747, mRNA, complete cds                 | gb | BC007023.1 | BC007023 | 13937840 | uORF | MGC |
| Homo sapiens elastase 3A, pancreatic (protease E), mRNA (cDNA clone MGC12383 IMAGE3950453), complete cds                                                             | gb | BC007028.1 |          | 13937847 | uORF | MGC |
| Homo sapiens fibrinogen-like 1, transcript variant 1, mRNA (cDNA clone MGC12455 IMAGE4071810), complete cds                                                          | gb | BC007047.1 |          | 13937877 | uORF | MGC |
| Homo sapiens zinc finger protein 237, mRNA (cDNA clone MGC12459 IMAGE3881047), complete cds                                                                          | gb | BC007048.1 |          | 13937879 | uORF | MGC |
| Homo sapiens transmembrane protein 14B, mRNA (cDNA clone MGC14614 IMAGE4066217), complete cds                                                                        | gb | BC007080.1 |          | 13937936 | uORF | MGC |
| Homo sapiens tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor), mRNA (cDNA clone MGC14720 IMAGE4272513), complete cds | gb | BC007097.1 |          | 13937968 | uORF | MGC |
| Homo sapiens RCD1 required for cell differentiation1 homolog (S. pombe), mRNA (cDNA clone MGC14745 IMAGE4281152), complete cds                                       | gb | BC007102.1 |          | 13937976 | uORF | MGC |
| Homo sapiens peptidylprolyl isomerase A (cyclophilin A), mRNA (cDNA clone MGC14747 IMAGE4281376), complete cds                                                       | gb | BC007104.1 |          | 13937980 | uORF | MGC |
| Homo sapiens PTD012 protein, mRNA (cDNA clone MGC14768 IMAGE4291902), complete cds                                                                                   | gb | BC007110.1 |          | 13937991 | uORF | MGC |
| Homo sapiens cyclin M3, mRNA (cDNA clone MGC12617 IMAGE2964706), complete cds                                                                                        | gb | BC007199.1 |          | 13938165 | uORF | MGC |
| Homo sapiens src homology 2 domain-containing transforming protein D, mRNA (cDNA clone MGC13052 IMAGE3628187), complete cds                                          | gb | BC007206.1 |          | 13938174 | uORF | MGC |
| Homo sapiens hypothetical protein MGC13114, mRNA (cDNA clone MGC13114 IMAGE4054799), complete cds                                                                    | gb | BC007207.1 |          | 13938176 | uORF | MGC |
| Homo sapiens zinc finger, DHHC domain containing 6, mRNA (cDNA clone MGC14922 IMAGE2960984), complete cds                                                            | gb | BC007213.1 |          | 13938188 | uORF | MGC |
| Homo sapiens UDP-N-acetyl-alpha-D-galactosaminopolypeptide N-acetylgalactosaminyltransferase 10 (GalNAc-T10), mRNA (cDNA clone IMAGE3347333), partial cds            | gb | BC007224.1 |          | 13938206 | uORF | MGC |
| Homo sapiens similar to Taxol resistant associated protein 3 (TRAG-3), mRNA (cDNA clone MGC15247 IMAGE2819959), complete cds                                         | gb | BC007228.1 |          | 13938214 | uORF | MGC |
| Homo sapiens ets variant gene 4 (ET1 enhancer binding protein, ETAF), mRNA (cDNA clone IMAGE2964546), complete cds                                                   | gb | BC007242.1 |          | 13938238 | uORF | MGC |
| Homo sapiens collagen, type II, alpha 1 (primary osteoarthritis, spondyloepiphyseal dysplasia, congenital), mRNA (cDNA clone IMAGE3010564), complete cds             | gb | BC007252.1 |          | 13938252 | uORF | MGC |
| Homo sapiens actin related protein M1, mRNA (cDNA clone MGC15664 IMAGE394184), complete cds                                                                          | gb | BC007289.1 |          | 13938318 | uORF | MGC |
| Homo sapiens kin of IRRE like 2 (Drosophila), mRNA (cDNA clone IMAGE353436), complete cds                                                                            | gb | BC007312.1 |          | 13938359 | uORF | MGC |
| Homo sapiens, clone MGC1092 IMAGE2989585, mRNA, complete cds                                                                                                         | gb | BC007315.1 | BC007315 | 13938365 | uORF | MGC |
| Homo sapiens annexin A10, mRNA (cDNA clone MGC1303 IMAGE2988009), complete cds                                                                                       | gb | BC007320.2 |          | 13870512 | uORF | MGC |
| Homo sapiens, Similar to phosphotyrosine phosphohistidine inorganic pyrophosphate phosphatase, clone MGC14850 IMAGE3640409, mRNA, complete cds                       | gb | BC007324.1 | BC007324 | 13938378 | uORF | MGC |
| Homo sapiens, clone MGC1526 IMAGE2989807, mRNA, complete cds                                                                                                         | gb | BC007340.1 | BC007340 | 13938403 | uORF | MGC |
| Homo sapiens chromodomain helicase DNA binding protein 2, mRNA (cDNA clone IMAGE3050321), complete cds                                                               | gb | BC007347.2 |          | 34782954 | uORF | MGC |
| Homo sapiens, clone MGC16138 IMAGE36330050, mRNA, complete cds                                                                                                       | gb | BC007363.1 | BC007363 | 13938443 | uORF | MGC |
| Homo sapiens similar to RAB7, member RAS oncogene family, mRNA (cDNA clone IMAGE36588826), complete cds                                                              | gb | BC007382.1 |          | 13938474 | uORF | MGC |
| Homo sapiens cDNA clone MGC2277 IMAGE3030430, complete cds                                                                                                           | gb | BC007407.1 |          | 13938516 | uORF | MGC |
| Homo sapiens diaphanous homolog 1 (Drosophila), mRNA (cDNA clone IMAGE2967490), partial cds                                                                          | gb | BC007411.2 |          | 37588928 | uORF | MGC |
| Homo sapiens UBX domain containing 1, mRNA (cDNA clone IMAGE2966731), partial cds                                                                                    | gb | BC007414.2 |          | 33873601 | uORF | MGC |
| Homo sapiens PRP4 pre-mRNA processing factor 4 homolog (yeast), mRNA (cDNA clone MGC3611 IMAGE3029831), complete cds                                                 | gb | BC007424.2 |          | 33870012 | uORF | MGC |
| Homo sapiens creatine kinase, muscle, mRNA (cDNA clone MGC12329 IMAGE3934232), complete cds                                                                          | gb | BC007462.1 |          | 13938618 | uORF | MGC |
| Homo sapiens, v-ras murine sarcoma 3611 viral oncogene homolog 1, clone MGC4512 IMAGE2966604, mRNA, complete cds                                                     | gb | BC007514.1 | BC007514 | 13960148 | uORF | MGC |
| Homo sapiens neuron navigator 1, mRNA (cDNA clone IMAGE3347127), complete cds                                                                                        | gb | BC007523.1 |          | 14043080 | uORF | MGC |
| Homo sapiens sperm associated antigen 9, mRNA (cDNA clone IMAGE3351321), complete cds                                                                                | gb | BC007524.1 |          | 14043082 | uORF | MGC |
| Homo sapiens elastin microfibril interfacer 1, mRNA (cDNA clone IMAGE3163767), complete cds                                                                          | gb | BC007530.1 |          | 14043092 | uORF | MGC |
| Homo sapiens aminomethyltransferase (glycine cleavage system protein T), mRNA (cDNA clone MGC15445 IMAGE2959737), complete cds                                       | gb | BC007546.1 |          | 14043120 | uORF | MGC |
| Homo sapiens F-box protein FBL2, mRNA (cDNA clone MGC15482 IMAGE2987858), complete cds                                                                               | gb | BC007557.1 |          | 14043138 | uORF | MGC |
| Homo sapiens LIM and SH3 protein 1, mRNA (cDNA clone MGC15487 IMAGE2988898), complete cds                                                                            | gb | BC007560.1 |          | 14043144 | uORF | MGC |
| Homo sapiens mannose-6-phosphate receptor binding protein 1, mRNA (cDNA clone MGC15516 IMAGE3028104), complete cds                                                   | gb | BC007566.1 |          | 14043156 | uORF | MGC |
| Homo sapiens aldehyde dehydrogenase 4 family, member A1, transcript variant PSCDHL, mRNA (cDNA clone MGC15564 IMAGE3139944), complete cds                            | gb | BC007581.1 |          | 14043186 | uORF | MGC |
| Homo sapiens ring finger protein 134, mRNA (cDNA clone MGC15678 IMAGE3350074), complete cds                                                                          | gb | BC007602.1 |          | 14043224 | uORF | MGC |
| Homo sapiens splicing factor 3b, subunit 2, 145kDa, mRNA (cDNA clone MGC15693 IMAGE3351485), complete cds                                                            | gb | BC007610.1 |          | 14043239 | uORF | MGC |
| Homo sapiens eukaryotic translation initiation factor 2C, 2, mRNA (cDNA clone IMAGE3510656), complete cds                                                            | gb | BC007633.1 |          | 14043278 | uORF | MGC |
| Homo sapiens AUT-like 4, cysteine endopeptidase (S. cerevisiae), mRNA (cDNA clone IMAGE3533566), complete cds                                                        | gb | BC007639.1 |          | 14043288 | uORF | MGC |
| Homo sapiens, Similar to NIF3 (Ngt1 interacting factor 3, S.pombe homolog)-like 1, clone MGC2595 IMAGE3346099, mRNA, complete cds                                    | gb | BC007654.1 | BC007654 | 14043316 | uORF | MGC |
| Homo sapiens, clone MGC747 IMAGE3343994, mRNA, complete cds                                                                                                          | gb | BC007658.1 | BC007658 | 14043325 | uORF | MGC |
| Homo sapiens peptidylprolyl isomerase (cyclophilin)-like 3, mRNA (cDNA clone MGC10732 IMAGE3956681), complete cds                                                    | gb | BC007693.1 |          | 14043399 | uORF | MGC |
| Homo sapiens synaptotagmin 2 binding protein, mRNA (cDNA clone MGC10277 IMAGE3952366), complete cds                                                                  | gb | BC007704.1 |          | 14043426 | uORF | MGC |
| Homo sapiens glycyL-tRNA synthetase, mRNA (cDNA clone MGC12625 IMAGE4299853), complete cds                                                                           | gb | BC007722.2 |          | 39644558 | uORF | MGC |
| Homo sapiens, Similar to RIKEN cDNA 5430429M05 gene, clone MGC13155 IMAGE4302950, mRNA, complete cds                                                                 | gb | BC007724.1 | BC007724 | 14043468 | uORF | MGC |
| Homo sapiens, exosome component Rrp46, clone MGC12901 IMAGE4308795, mRNA, complete cds                                                                               | gb | BC007742.1 | BC007742 | 14043510 | uORF | MGC |
| Homo sapiens ring finger protein 29, transcript variant 3, mRNA (cDNA clone MGC12836 IMAGE4110783), complete cds                                                     | gb | BC007750.2 |          | 33871581 | uORF | MGC |
| Homo sapiens, spindle pole body protein, clone MGC12669 IMAGE4137255, mRNA, complete cds                                                                             | gb | BC007763.1 | BC007763 | 14043564 | uORF | MGC |
| Homo sapiens epidermodysplasia verruciformis 1, mRNA (cDNA clone IMAGE4135187), complete cds                                                                         | gb | BC007766.1 |          | 14043573 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ22795, mRNA (cDNA clone MGC14346 IMAGE4298702), complete cds                                                                    | gb | BC007811.2 |          | 33871855 | uORF | MGC |
| Homo sapiens major histocompatibility complex, class I C, mRNA (cDNA clone MGC14378 IMAGE4299697), complete cds                                                      | gb | BC007814.1 |          | 14043693 | uORF | MGC |
| Homo sapiens phosphatidylinositol-4-phosphate 5-kinase, type I, alpha, mRNA (cDNA clone MGC14107 IMAGE4098514), complete cds                                         | gb | BC007833.2 |          | 33871980 | uORF | MGC |
| Homo sapiens G protein-coupled receptor 108, mRNA (cDNA clone MGC14393 IMAGE4301053), complete cds                                                                   | gb | BC007862.2 |          | 33871870 | uORF | MGC |
| Homo sapiens, platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit (29kD), clone MGC14395 IMAGE4301185, mRNA, complete cds                          | gb | BC007863.1 | BC007863 | 14043829 | uORF | MGC |
| Homo sapiens, thymidine kinase 1, soluble, clone MGC14441 IMAGE4303880, mRNA, complete cds                                                                           | gb | BC007872.1 | BC007872 | 14043852 | uORF | MGC |
| Homo sapiens far upstream element (FUSE) binding protein 3, mRNA (cDNA clone MGC14157 IMAGE3957939), complete cds                                                    | gb | BC007874.2 |          | 33988357 | uORF | MGC |
| Homo sapiens, eukaryotic translation initiation factor 2, subunit 2 (beta, 38kD ), clone MGC14174 IMAGE4120898, mRNA, complete cds                                   | gb | BC007888.1 | BC007888 | 14043894 | uORF | MGC |
| Homo sapiens START domain containing 7, transcript variant 2, mRNA (cDNA clone MGC14282 IMAGE4134933), complete cds                                                  | gb | BC007894.2 |          | 33873696 | uORF | MGC |
| Homo sapiens START domain containing 10, mRNA (cDNA clone MGC14401 IMAGE4301295), complete cds                                                                       | gb | BC007919.2 |          | 33873765 | uORF | MGC |
| Homo sapiens, eukaryotic translation elongation factor 1 gamma, clone MGC14370 IMAGE4299475, mRNA, complete cds                                                      | gb | BC007949.1 | BC007949 | 14044048 | uORF | MGC |
| Homo sapiens, clone MGC14416 IMAGE4301987, mRNA, complete cds                                                                                                        | gb | BC007956.1 | BC007956 | 14044066 | uORF | MGC |
| Homo sapiens chromosome 20 open reading frame 116, mRNA (cDNA clone MGC14414 IMAGE4301923), complete cds                                                             | gb | BC007957.1 |          | 14044069 | uORF | MGC |
| Homo sapiens zinc finger protein 3 (A8-51), mRNA (cDNA clone IMAGE3609874), complete cds                                                                             | gb | BC008031.1 |          | 14125006 | uORF | MGC |
| Homo sapiens protein kinase C and casein kinase substrate in neurons 2, mRNA (cDNA clone MGC1214 IMAGE2967052), complete cds                                         | gb | BC008037.2 |          | 33870534 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE3638747, partial cds                                                                                                                    | gb | BC008051.2 |          | 33872348 | uORF | MGC |
| Homo sapiens, hypothetical protein MGC3222, clone MGC16300 IMAGE3835133, mRNA, complete cds                                                                          | gb | BC008054.1 | BC008054 | 14165507 | uORF | MGC |
| Homo sapiens, clone MGC1669 IMAGE2987996, mRNA, complete cds                                                                                                         | gb | BC008058.1 | BC008058 | 14165514 | uORF | MGC |
| Homo sapiens hypothetical protein MGC2793, mRNA (cDNA clone MGC2793 IMAGE2961089), complete cds                                                                      | gb | BC008069.2 |          | 33869778 | uORF | MGC |
| Homo sapiens signal recognition particle receptor ("docking protein"), mRNA (cDNA clone MGC3650 IMAGE2963671), complete cds                                          | gb | BC008077.2 |          | 33880668 | uORF | MGC |
| Homo sapiens mRNA similar to hypothetical protein FLJ20234 (cDNA clone MGC17335 IMAGE4212810), complete cds                                                          | gb | BC008091.1 |          | 14198044 | uORF | MGC |
| Homo sapiens retinal G protein coupled receptor, mRNA (cDNA clone IMAGE4179231), complete cds                                                                        | gb | BC008094.1 |          | 14198052 | uORF | MGC |
| Homo sapiens capping protein (actin filament) muscle Z-line, beta, mRNA (cDNA clone IMAGE4184742), complete cds                                                      | gb | BC008095.1 |          | 14198055 | uORF | MGC |
| Homo sapiens three prime repair exonuclease 2, transcript variant 5, mRNA (cDNA clone MGC17009 IMAGE4154976), complete cds                                           | gb | BC008141.1 |          | 14198167 | uORF | MGC |
| Homo sapiens APEX nuclease (multifunctional DNA repair enzyme) 1, transcript variant 1, mRNA (cDNA clone MGC17277 IMAGE4180383), complete cds                        | gb | BC008145.1 |          | 14198173 | uORF | MGC |
| Homo sapiens keratin 8, mRNA (cDNA clone MGC5377 IMAGE3445666), complete cds                                                                                         | gb | BC008200.1 |          | 14198277 | uORF | MGC |
| Homo sapiens polyposis locus protein 1-like 1, mRNA (cDNA clone MGC9381 IMAGE3865853), complete cds                                                                  | gb | BC008201.1 |          | 14198279 | uORF | MGC |
| Homo sapiens chromosome 9 open reading frame 46, mRNA (cDNA clone MGC9919 IMAGE3871917), complete cds                                                                | gb | BC008212.1 |          | 14198300 | uORF | MGC |
| Homo sapiens hypothetical protein BC008217, mRNA (cDNA clone MGC5437 IMAGE3449607), complete cds                                                                     | gb | BC008217.1 |          | 14198310 | uORF | MGC |
| Homo sapiens cDNA clone MGC17692 IMAGE3866356, complete cds                                                                                                          | gb | BC008253.1 |          | 14198383 | uORF | MGC |
| Homo sapiens nucleolar protein family 6 (RNA-associated), mRNA (cDNA clone IMAGE3506568), complete cds                                                               | gb | BC008298.1 |          | 14249845 | uORF | MGC |
| Homo sapiens amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2, mRNA (cDNA clone MGC15130 IMAGE3546243), complete cds                        | gb | BC008302.1 |          | 14249853 | N/A  | MGC |
| Homo sapiens hepatocellular carcinoma-associated antigen 112, mRNA (cDNA clone MGC15136 IMAGE3536986), complete cds                                                  | gb | BC008303.1 |          | 14249855 | uORF | MGC |
| Homo sapiens chromosome 18 open reading frame 8, mRNA (cDNA clone MGC15190 IMAGE3537084), complete cds                                                               | gb | BC008305.1 |          | 14249859 | uORF | MGC |

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| Homo sapiens isoleucine-tRNA synthetase, mRNA (cDNA clone IMAGE3343584), partial cds                                                                                  | gb | BC008318.1 |          | 14249880 | uORF | MGC |
| Homo sapiens lipocalin-interacting membrane receptor, mRNA (cDNA clone MGC151814 IMAGE3506347), complete cds                                                          | gb | BC008337.1 |          | 14249914 | uORF | MGC |
| Homo sapiens, Similar to hypothetical protein AB030201, clone MGC3205 IMAGE3358066, mRNA, complete cds                                                                | gb | BC008365.1 | BC008365 | 14249960 | uORF | MGC |
| Homo sapiens SH3 domain containing, Ysc84-like 1 (S. cerevisiae), mRNA (cDNA clone MGC12274 IMAGE3996066), complete cds                                               | gb | BC008374.1 |          | 14249974 | uORF | MGC |
| Homo sapiens SH3 domain containing, Ysc84-like 1 (S. cerevisiae), mRNA (cDNA clone MGC12275 IMAGE3996120), complete cds                                               | gb | BC008375.1 |          | 14249976 | uORF | MGC |
| Homo sapiens uncoupling protein 3 (mitochondrial, proton carrier), mRNA (cDNA clone MGC14479 IMAGE4291158), complete cds                                              | gb | BC008392.1 |          | 14250000 | uORF | MGC |
| Homo sapiens pregnancy specific beta-1-glycoprotein 4, mRNA (cDNA clone MGC14539 IMAGE4043484), complete cds                                                          | gb | BC008405.1 |          | 14250017 | uORF | MGC |
| Homo sapiens CD36 antigen (collagen type 1 receptor, thrombospondin receptor), mRNA (cDNA clone MGC14530 IMAGE4244251), complete cds                                  | gb | BC008406.1 |          | 14250019 | uORF | MGC |
| Homo sapiens tropomyosin 3, mRNA (cDNA clone MGC14532 IMAGE4245271), complete cds                                                                                     | gb | BC008407.1 |          | 14250021 | uORF | MGC |
| Homo sapiens interferon induced transmembrane protein 3 (1-8U), mRNA (cDNA clone MGC14565 IMAGE4075453), complete cds                                                 | gb | BC008417.1 |          | 14250037 | uORF | MGC |
| Homo sapiens chromosome 20 open reading frame 114, mRNA (cDNA clone MGC14597 IMAGE4291561), complete cds                                                              | gb | BC008429.1 |          | 14250057 | uORF | MGC |
| Homo sapiens peroxiredoxin 3, transcript variant 1, mRNA (cDNA clone MGC14634 IMAGE4081846), complete cds                                                             | gb | BC008435.1 |          | 14250062 | uORF | MGC |
| Homo sapiens calmodulin 2 (phosphorylase kinase, delta), mRNA (cDNA clone MGC14639 IMAGE4092978), complete cds                                                        | gb | BC008437.1 |          | 14250064 | uORF | MGC |
| Homo sapiens latexin protein, mRNA (cDNA clone MGC14640 IMAGE4093065), complete cds                                                                                   | gb | BC008438.1 |          | 14250068 | uORF | MGC |
| Homo sapiens likely ortholog of mouse monocyte macrophage 19, mRNA (cDNA clone MGC14646 IMAGE4096399), complete cds                                                   | gb | BC008440.1 |          | 14250070 | uORF | MGC |
| Homo sapiens trans-golgi network protein 2, mRNA (cDNA clone MGC14722 IMAGE4272702), complete cds                                                                     | gb | BC008461.1 |          | 14250102 | uORF | MGC |
| Homo sapiens acid phosphatase, prostate, mRNA (cDNA clone MGC14822 IMAGE4272289), complete cds                                                                        | gb | BC008493.1 |          | 14250149 | uORF | MGC |
| Homo sapiens chromosome 15 open reading frame 15, mRNA (cDNA clone MGC14835 IMAGE4286115), complete cds                                                               | gb | BC008499.1 |          | 14250159 | uORF | MGC |
| Homo sapiens chromosome 21 open reading frame 7, mRNA (cDNA clone MGC16916 IMAGE4212641), complete cds                                                                | gb | BC008567.1 |          | 14250282 | uORF | MGC |
| Homo sapiens CGI-150 protein, mRNA (cDNA clone MGC17078 IMAGE4186251), complete cds                                                                                   | gb | BC008605.1 |          | 14250348 | uORF | MGC |
| Homo sapiens retinoblastoma inhibiting gene 1, mRNA (cDNA clone MGC16823 IMAGE4177689), complete cds                                                                  | gb | BC008623.1 |          | 14250380 | uORF | MGC |
| Homo sapiens cDNA clone MGC18299 IMAGE4179890, complete cds                                                                                                           | gb | BC008624.1 |          | 14250382 | uORF | MGC |
| Homo sapiens cDNA clone MGC4893 IMAGE3445675, complete cds                                                                                                            | gb | BC008641.1 |          | 14250412 | uORF | MGC |
| Homo sapiens hypothetical protein MGC9913, mRNA (cDNA clone MGC9913 IMAGE3870821), complete cds                                                                       | gb | BC008651.1 |          | 14250431 | uORF | MGC |
| Homo sapiens c-myc binding protein, mRNA (cDNA clone MGC9561 IMAGE3870100), complete cds                                                                              | gb | BC008686.1 |          | 14250488 | uORF | MGC |
| Homo sapiens cDNA clone MGC15427 IMAGE2822641, complete cds                                                                                                           | gb | BC008699.1 |          | 14250505 | uORF | MGC |
| Homo sapiens hydroxacyl-Coenzyme A dehydrogenase, type II, mRNA (cDNA clone MGC15590 IMAGE3160844), complete cds                                                      | gb | BC008708.1 |          | 14250515 | uORF | MGC |
| Homo sapiens microtubule-associated protein 4, mRNA (cDNA clone MGC8617 IMAGE2961360), complete cds                                                                   | gb | BC008715.2 |          | 33870800 | uORF | MGC |
| Homo sapiens, oxidative-stress responsive 1, clone MGC1572 IMAGE3163379, mRNA, complete cds                                                                           | gb | BC008726.1 | BC008726 | 14250547 | N/A  | MGC |
| Homo sapiens hexokinase 1, transcript variant 1, mRNA (cDNA clone MGC1724 IMAGE3163058), complete cds                                                                 | gb | BC008730.2 |          | 33869444 | uORF | MGC |
| Homo sapiens, LIM protein (similar to rat protein kinase C-binding enigma), clone MGC2010 IMAGE3345715, mRNA, complete cds                                            | gb | BC008741.1 | BC008741 | 14250572 | uORF | MGC |
| Homo sapiens PH domain-containing protein, mRNA (cDNA clone MGC3072 IMAGE3346334), complete cds                                                                       | gb | BC008744.2 |          | 33873943 | uORF | MGC |
| Homo sapiens protein-L-isoaspartate (D-aspartate) O-methyltransferase, mRNA (cDNA clone MGC1438 IMAGE3346722), complete cds                                           | gb | BC008748.2 |          | 33869367 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ20584, mRNA (cDNA clone MGC3446 IMAGE3827081), complete cds                                                                      | gb | BC008788.2 |          | 33873990 | uORF | MGC |
| Homo sapiens, clone MGC3704 IMAGE3630923, mRNA, complete cds                                                                                                          | gb | BC008790.1 | BC008790 | 14250649 | uORF | MGC |
| Homo sapiens eyes absent homolog 2 (Drosophila), transcript variant 5, mRNA (cDNA clone MGC10614 IMAGE3944547), complete cds                                          | gb | BC008803.1 |          | 14250673 | uORF | MGC |
| Homo sapiens DEAH (Asp-Glu-Ala-His) box polypeptide 16, mRNA (cDNA clone MGC12779 IMAGE4100320), complete cds                                                         | gb | BC008825.2 |          | 33871710 | uORF | MGC |
| Homo sapiens, mitogen-activated protein kinase kinase 5, clone MGC14094 IMAGE4100679, mRNA, complete cds                                                              | gb | BC008838.1 | BC008838 | 14250737 | N/A  | MGC |
| Homo sapiens aldehyde dehydrogenase 3 family, member A1, mRNA (cDNA clone MGC10584 IMAGE3868887), complete cds                                                        | gb | BC008892.1 |          | 14286195 | uORF | MGC |
| Homo sapiens golgi coiled-coil 1, mRNA (cDNA clone IMAGE3690300), complete cds                                                                                        | gb | BC008902.2 |          | 33874076 | uORF | MGC |
| Homo sapiens family with sequence similarity 3, member A, mRNA (cDNA clone MGC15347 IMAGE3639043), complete cds                                                       | gb | BC008912.2 |          | 33991313 | uORF | MGC |
| Homo sapiens, Similar to histocompatibility 13, clone MGC4069 IMAGE2961249, mRNA, complete cds                                                                        | gb | BC008959.1 | BC008959 | 14286315 | uORF | MGC |
| Homo sapiens chromosome 6 open reading frame 67, mRNA (cDNA clone MGC16987 IMAGE4154200), complete cds                                                                | gb | BC009006.1 |          | 14290477 | uORF | MGC |
| Homo sapiens phospholipase C, beta 2, mRNA (cDNA clone IMAGE3446252), complete cds                                                                                    | gb | BC009009.1 |          | 14290481 | uORF | MGC |
| Homo sapiens chromosome 6 open reading frame 142, mRNA (cDNA clone MGC18257 IMAGE4156300), complete cds                                                               | gb | BC009010.1 |          | 14290483 | uORF | MGC |
| Homo sapiens phosphoribosyl pyrophosphate synthetase-associated protein 1, mRNA (cDNA clone MGC17110 IMAGE4186365), complete cds                                      | gb | BC009012.1 |          | 14290487 | uORF | MGC |
| Homo sapiens serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 1, mRNA (cDNA clone MGC9340 IMAGE3456154), complete cds                           | gb | BC009015.1 |          | 14290493 | uORF | MGC |
| Homo sapiens complement component 1, q subcomponent, gamma polypeptide, mRNA (cDNA clone MGC17279 IMAGE4212772), complete cds                                         | gb | BC009016.1 |          | 14290495 | uORF | MGC |
| Homo sapiens, hypothetical protein FLJ22729, clone MGC16780 IMAGE4184795, mRNA, complete cds                                                                          | gb | BC009025.1 | BC009025 | 14290513 | uORF | MGC |
| Homo sapiens neurogenic differentiation 1, mRNA (cDNA clone MGC9038 IMAGE3873419), complete cds                                                                       | gb | BC009046.1 |          | 14290548 | uORF | MGC |
| Homo sapiens phosphodiesterase 9A, mRNA (cDNA clone MGC9130 IMAGE3874635), complete cds                                                                               | gb | BC009047.1 |          | 14290550 | uORF | MGC |
| Homo sapiens lipocalin 7, mRNA (cDNA clone IMAGE3852606), complete cds                                                                                                | gb | BC009048.1 |          | 14290552 | uORF | MGC |
| Homo sapiens likely ortholog of mouse monocyte macrophage 19, mRNA (cDNA clone MGC9397 IMAGE3875061), complete cds                                                    | gb | BC009077.1 |          | 14290596 | uORF | MGC |
| Homo sapiens regucalcin gene promoter region related protein, mRNA (cDNA clone MGC17455 IMAGE3448742), complete cds                                                   | gb | BC009106.1 |          | 14318615 | uORF | MGC |
| Homo sapiens MCM10 minichromosome maintenance deficient 10 (S. cerevisiae), mRNA (cDNA clone IMAGE3451214), complete cds                                              | gb | BC009108.1 |          | 14318619 | uORF | MGC |
| Homo sapiens, clone MGC15007 IMAGE3943486, mRNA, complete cds                                                                                                         | gb | BC009182.1 | BC009182 | 14327924 | uORF | MGC |
| Homo sapiens, CGI-39 protein; cell death-regulatory protein GRIM19, clone MGC15163 IMAGE3957082, mRNA, complete cds                                                   | gb | BC009189.1 | BC009189 | 14327929 | uORF | MGC |
| Homo sapiens tumor rejection antigen (gp96) 1, mRNA (cDNA clone IMAGE3938823), complete cds                                                                           | gb | BC009195.2 |          | 33874330 | uORF | MGC |
| Homo sapiens, phosphatidic acid phosphatase type 2B, clone MGC15306 IMAGE3960223, mRNA, complete cds                                                                  | gb | BC009196.1 | BC009196 | 14327943 | uORF | MGC |
| Homo sapiens, Similar to RNA polymerase I transcription factor RNN3, clone MGC15321 IMAGE3878732, mRNA, complete cds                                                  | gb | BC009198.1 | BC009198 | 14327947 | uORF | MGC |
| Homo sapiens hypermethylated in cancer 2, mRNA (cDNA clone IMAGE3629289), partial cds                                                                                 | gb | BC009207.2 |          | 33872319 | uORF | MGC |
| Homo sapiens cDNA clone MGC4257 IMAGE3029623, complete cds                                                                                                            | gb | BC009249.1 |          | 14328076 | uORF | MGC |
| Homo sapiens nucleolar GTPase, mRNA (cDNA clone MGC4453 IMAGE2960125), complete cds                                                                                   | gb | BC009250.1 |          | 14328078 | uORF | MGC |
| Homo sapiens, farnesyl-diphosphate farnesyltransferase 1, clone MGC4480 IMAGE2961623, mRNA, complete cds                                                              | gb | BC009251.1 | BC009251 | 14328082 | uORF | MGC |
| Homo sapiens ATP-binding cassette, sub-family F (GCN20), member 3, mRNA (cDNA clone MGC4555 IMAGE3028775), complete cds                                               | gb | BC009253.1 |          | 14328088 | uORF | MGC |
| Homo sapiens, Similar to hypothetical protein FLJ21616, clone MGC14941 IMAGE3947903, mRNA, complete cds                                                               | gb | BC009259.1 | BC009259 | 14349359 | uORF | MGC |
| Homo sapiens formin binding protein 1, mRNA (cDNA clone IMAGE3928577), partial cds                                                                                    | gb | BC009262.2 |          | 33874368 | uORF | MGC |
| Homo sapiens lipidosin, mRNA (cDNA clone MGC14352 IMAGE4298937), complete cds                                                                                         | gb | BC009289.2 |          | 39644597 | uORF | MGC |
| Homo sapiens, clone MGC16644 IMAGE4123062, mRNA, complete cds                                                                                                         | gb | BC009294.1 | BC009294 | 14424541 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ22222, mRNA (cDNA clone IMAGE4123566), complete cds                                                                              | gb | BC009297.1 |          | 14424547 | uORF | MGC |
| Homo sapiens, hypothetical protein FLJ13868, clone MGC14982 IMAGE4301507, mRNA, complete cds                                                                          | gb | BC009308.1 | BC009308 | 14424559 | uORF | MGC |
| Homo sapiens cirrhosis, autosomal recessive 1A (cirhin), mRNA (cDNA clone MGC16757 IMAGE4131625), complete cds                                                        | gb | BC009348.2 |          | 40225389 | uORF | MGC |
| Homo sapiens, clone MGC14871 IMAGE4137621, mRNA, complete cds                                                                                                         | gb | BC009350.1 | BC009350 | 14424656 | uORF | MGC |
| Homo sapiens SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1, mRNA (cDNA clone MGC15280 IMAGE4110499), complete cds | gb | BC009368.2 |          | 33874464 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ22415, mRNA (cDNA clone MGC14901 IMAGE4122648), complete cds                                                                     | gb | BC009371.1 |          | 14424709 | uORF | MGC |
| Homo sapiens, clone MGC16732 IMAGE4129592, mRNA, complete cds                                                                                                         | gb | BC009390.1 | BC009390 | 14424754 | uORF | MGC |
| Homo sapiens MCM7 minichromosome maintenance deficient 7 (S. cerevisiae), mRNA (cDNA clone MGC15341 IMAGE4134871), complete cds                                       | gb | BC009398.1 |          | 14424778 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ22578, mRNA (cDNA clone IMAGE3506508), complete cds                                                                              | gb | BC009416.1 |          | 14495620 | uORF | MGC |
| Homo sapiens suppressor of G2 allele of SKP1 pseudogene (S. cerevisiae), mRNA (cDNA clone MGC15151 IMAGE3538202), complete cds                                        | gb | BC009423.1 |          | 14495631 | uORF | MGC |
| Homo sapiens mannosyl (alpha-1,3)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme B, mRNA (cDNA clone MGC16031 IMAGE3608546), complete cds           | gb | BC009464.1 |          | 14495704 | uORF | MGC |
| Homo sapiens, RP42 homolog, clone MGC15099 IMAGE3939758, mRNA, complete cds                                                                                           | gb | BC009478.1 | BC009478 | 14550460 | uORF | MGC |
| Homo sapiens, clone MGC16114 IMAGE3823656, mRNA, complete cds                                                                                                         | gb | BC009485.1 | BC009485 | 14550471 | uORF | MGC |
| Homo sapiens leucine rich repeat containing 5, mRNA (cDNA clone IMAGE3927354), complete cds                                                                           | gb | BC009486.1 |          | 14550473 | uORF | MGC |
| Homo sapiens, similar to CG9578 gene product, clone MGC3794 IMAGE3532344, mRNA, complete cds                                                                          | gb | BC009506.1 |          | 14550511 | uORF | MGC |
| Homo sapiens, clone MGC3945 IMAGE3545944, mRNA, complete cds                                                                                                          | gb | BC009507.1 | BC009507 | 14550513 | uORF | MGC |
| Homo sapiens, Similar to RIKEN cDNA 3110001D03 gene, clone MGC4730 IMAGE3535614, mRNA, complete cds                                                                   | gb | BC009510.1 | BC009510 | 14550519 | uORF | MGC |
| Homo sapiens golgi associated PDZ and coiled-coil motif containing, transcript variant 2, mRNA (cDNA clone MGC10098 IMAGE3898495), complete cds                       | gb | BC009532.2 |          | 34193591 | uORF | MGC |
| Homo sapiens annexin A2, mRNA (cDNA clone MGC10129 IMAGE3901641), complete cds                                                                                        | gb | BC009564.1 |          | 16306977 | uORF | MGC |
| Homo sapiens stimulated by retinoic acid 13, mRNA (cDNA clone MGC14480 IMAGE4333630), complete cds                                                                    | gb | BC009571.1 |          | 16306992 | uORF | MGC |
| Homo sapiens chromosome 14 open reading frame 137, mRNA (cDNA clone IMAGE3891744), complete cds                                                                       | gb | BC009615.1 |          | 16307076 | uORF | MGC |
| Homo sapiens stromal cell protein, mRNA (cDNA clone MGC17029 IMAGE3896154), complete cds                                                                              | gb | BC009621.1 |          | 16307087 | uORF | MGC |
| Homo sapiens, Similar to nucleophosmin (nucleolar phosphoprotein B23, matrinin), clone MGC17308 IMAGE3877633, mRNA, complete cds                                      | gb | BC009623.1 | BC009623 | 16307089 | uORF | MGC |
| Homo sapiens decanoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase), mRNA (cDNA clone MGC17755 IMAGE3877066), complete cds                        | gb | BC009631.1 |          | 16307100 | uORF | MGC |
| Homo sapiens likely ortholog of mouse protein phosphatase 2C eta, mRNA (cDNA clone MGC17869 IMAGE3905720), complete cds                                               | gb | BC009644.1 |          | 16307110 | uORF | MGC |
| Homo sapiens KIAA0648 protein, mRNA (cDNA clone IMAGE3461329), complete cds                                                                                           | gb | BC009650.1 |          | 16307124 | uORF | MGC |
| Homo sapiens hypothetical protein DJ167A19.1, mRNA (cDNA clone IMAGE3894129), complete cds                                                                            | gb | BC009674.1 |          | 16307169 | uORF | MGC |
| Homo sapiens transaldolase 1, mRNA (cDNA clone MGC8922 IMAGE3898596), complete cds                                                                                    | gb | BC009680.1 |          | 16307181 | uORF | MGC |
| Homo sapiens interferon induced transmembrane protein 2 (1-8D), mRNA (cDNA clone MGC9196 IMAGE3876542), complete cds                                                  | gb | BC009696.1 |          | 16307214 | uORF | MGC |
| Homo sapiens metallothionein 1E (functional), mRNA (cDNA clone IMAGE3892441), complete cds                                                                            | gb | BC009699.2 |          | 34189301 | uORF | MGC |
| Homo sapiens, clone MGC9419 IMAGE3890308, mRNA, complete cds                                                                                                          | gb | BC009710.1 | BC009710 | 16307240 | uORF | MGC |
| Homo sapiens, Similar to ATP-binding cassette, sub-family D (ALD), member 3, clone MGC9423 IMAGE3895175, mRNA, complete cds                                           | gb | BC009712.1 | BC009712 | 16307245 | uORF | MGC |
| Homo sapiens MAWD binding protein, mRNA (cDNA clone MGC9972 IMAGE3879159), complete cds                                                                               | gb | BC009738.1 |          | 16307295 | uORF | MGC |
| Homo sapiens homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1, mRNA (cDNA clone MGC14571 IMAGE4095997), complete cds    | gb | BC009739.1 |          | 16507801 | uORF | MGC |
| Homo sapiens tripartite motif-containing 41, mRNA (cDNA clone IMAGE2824119), complete cds                                                                             | gb | BC009762.2 |          | 34782776 | uORF | MGC |
| Homo sapiens mitochondrial ribosomal protein L48, mRNA (cDNA clone MGC13323 IMAGE4093230), complete cds                                                               | gb | BC009764.1 |          | 14602512 | uORF | MGC |
| Homo sapiens BRCA2 and CDKN1A interacting protein, transcript variant B, mRNA (cDNA clone MGC13373 IMAGE4277458), complete cds                                        | gb | BC009771.1 |          | 14602522 | uORF | MGC |
| Homo sapiens KIAA1229 protein, mRNA (cDNA clone MGC13479 IMAGE4092835), complete cds                                                                                  | gb | BC009779.1 |          | 14602536 | uORF | MGC |
| Homo sapiens splicing factor 3b, subunit 3, 130kDa, mRNA (cDNA clone IMAGE4293370), complete cds                                                                      | gb | BC009780.1 |          | 14602538 | uORF | MGC |
| Homo sapiens GATA binding protein 1 (globin transcription factor 1), mRNA (cDNA clone MGC13628 IMAGE4048082), complete cds                                            | gb | BC009797.1 |          | 14602570 | uORF | MGC |
| Homo sapiens, hypothetical protein FLJ23591, clone MGC14862 IMAGE3843312, mRNA, complete cds                                                                          | gb | BC009819.1 | BC009819 | 14602606 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ23554, mRNA (cDNA clone IMAGE39446091), complete cds                                                                             | gb | BC009820.2 |          | 33872018 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ11526, mRNA (cDNA clone MGC15059 IMAGE3937610), complete cds                                                                     | gb | BC009829.1 |          | 14602622 | uORF | MGC |
| Homo sapiens, clone MGC16442 IMAGE3846787, mRNA, complete cds                                                                                                         | gb | BC009873.1 | BC009873 | 14602705 | uORF | MGC |
| Homo sapiens, purinergic receptor P2Y <sub>2</sub> , G-protein coupled, 11, clone MGC16468 IMAGE3953307, mRNA, complete cds                                           | gb | BC009877.1 | BC009877 | 14602717 | uORF | MGC |
| Homo sapiens 3-phosphoadenosine 5-phosphosulfate synthase 2, mRNA (cDNA clone MGC1916 IMAGE2988345), complete cds                                                     | gb | BC009894.2 |          | 33869502 | uORF | MGC |
| Homo sapiens neurocalcin delta, mRNA (cDNA clone IMAGE4298903), partial cds                                                                                           | gb | BC009949.2 |          | 33874802 | uORF | MGC |
| Homo sapiens, Similar to major histocompatibility complex, class II, DR alpha, clone MGC14114 IMAGE4309471, mRNA, complete cds                                        | gb | BC009956.1 | BC009956 | 14602922 | uORF | MGC |
| Homo sapiens cDNA clone MGC15311 IMAGE4300199, complete cds                                                                                                           | gb | BC009961.1 |          | 14602934 | uORF | MGC |
| Homo sapiens, Similar to N-terminal kinase-like, clone MGC15079 IMAGE4299750, mRNA, complete cds                                                                      | gb | BC009967.1 | BC009967 | 14602952 | uORF | MGC |
| Homo sapiens DC12 protein, transcript variant 1, mRNA (cDNA clone MGC16741 IMAGE4130099), complete cds                                                                | gb | BC009993.2 |          | 33874812 | uORF | MGC |
| Homo sapiens, clone MGC19686 IMAGE3503500, mRNA, complete cds                                                                                                         | gb | BC010030.1 | BC010030 | 14603120 | uORF | MGC |
| Homo sapiens LAG1 longevity assurance homolog 2 (S. cerevisiae), mRNA (cDNA clone MGC19692 IMAGE3506408), complete cds                                                | gb | BC010032.1 |          | 14603126 | uORF | MGC |
| Homo sapiens, clone MGC19694 IMAGE3506480, mRNA, complete cds                                                                                                         | gb | BC010033.1 | BC010033 | 14603129 | uORF | MGC |
| Homo sapiens, protein inhibitor of activated STAT protein PIASy, clone MGC19612 IMAGE3831616, mRNA, complete cds                                                      | gb | BC010047.1 | BC010047 | 14603163 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ20345, mRNA (cDNA clone MGC19519 IMAGE3952532), complete cds                                                                     | gb | BC010061.2 |          | 33874836 | uORF | MGC |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------|----------|----------|------|-----|
| Homo sapiens FUS interacting protein (serine-arginine rich) 1, mRNA (cDNA clone MGC19515 IMAGE4302658), complete cds                                                                              | gb | BC010074.2 |          | 33873307 | uORF | MGC |
| Homo sapiens, serine carboxypeptidase 1 precursor protein, clone MGC19479 IMAGE4328599, mRNA, complete cds                                                                                        | gb | BC010078.1 | BC010078 | 14603231 | uORF | MGC |
| Homo sapiens hypothetical protein SB153, transcript variant 1, mRNA (cDNA clone MGC19636 IMAGE282323), complete cds                                                                               | gb | BC010084.2 |          | 40225623 | uORF | MGC |
| Homo sapiens, acetylserotonin O-methyltransferase-like, clone MGC19649 IMAGE2988425, mRNA, complete cds                                                                                           | gb | BC010089.1 | BC010089 | 14603258 | uORF | MGC |
| Homo sapiens, clone MGC19786 IMAGE3832861, mRNA, complete cds                                                                                                                                     | gb | BC010117.1 | BC010117 | 14603320 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE3925652, partial cds                                                                                                                                                 | gb | BC010124.2 |          | 33874858 | uORF | MGC |
| Homo sapiens, DC12 protein, clone MGC19481 IMAGE3945258, mRNA, complete cds                                                                                                                       | gb | BC010125.1 | BC010125 | 14603341 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ10970, mRNA (cDNA clone MGC19509 IMAGE3952255), complete cds                                                                                                 | gb | BC010128.2 |          | 33988577 | uORF | MGC |
| Homo sapiens, clone MGC19499 IMAGE4123715, mRNA, complete cds                                                                                                                                     | gb | BC010137.1 | BC010137 | 14603358 | uORF | MGC |
| Homo sapiens, stomatin-like 2, clone MGC19715 IMAGE3534656, mRNA, complete cds                                                                                                                    | gb | BC010152.1 | BC010152 | 14603402 | uORF | MGC |
| Homo sapiens similar to RIKEN cDNA B230118G17 gene, mRNA (cDNA clone IMAGE3622817), complete cds                                                                                                  | gb | BC010155.2 |          | 33873356 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ40452, mRNA (cDNA clone MGC19826 IMAGE3960186), complete cds                                                                                                 | gb | BC010167.2 |          | 33875017 | uORF | MGC |
| Homo sapiens similar to RPL23AP7 protein, mRNA (cDNA clone IMAGE3937944), partial cds                                                                                                             | gb | BC010172.2 |          | 33873820 | uORF | MGC |
| Homo sapiens, clone MGC20175 IMAGE3051041, mRNA, complete cds                                                                                                                                     | gb | BC010175.1 |          | 14603454 | uORF | MGC |
| Homo sapiens, clone MGC20533 IMAGE3342874, mRNA, complete cds                                                                                                                                     | gb | BC010176.1 | BC010176 | 14603457 | uORF | MGC |
| Homo sapiens, clone MGC20197 IMAGE4543414, mRNA, complete cds                                                                                                                                     | gb | BC010181.1 | BC010181 | 14603463 | uORF | MGC |
| Homo sapiens tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide, mRNA (cDNA clone IMAGE4292790), complete cds                                               | gb | BC010352.1 |          | 14714452 | uORF | MGC |
| Homo sapiens WW domain containing adaptor with coiled-coil, mRNA (cDNA clone IMAGE3884445), complete cds                                                                                          | gb | BC010356.1 |          | 14714459 | uORF | MGC |
| Homo sapiens BM-011 protein, mRNA (cDNA clone MGC13367 IMAGE4249317), complete cds                                                                                                                | gb | BC010357.1 |          | 14714461 | uORF | MGC |
| Homo sapiens chromosome 6 open reading frame 209, mRNA (cDNA clone IMAGE4108985), complete cds                                                                                                    | gb | BC010360.1 |          | 14714467 | uORF | MGC |
| Homo sapiens vacuolar protein sorting 35 (yeast), mRNA (cDNA clone MGC13402 IMAGE4249949), complete cds                                                                                           | gb | BC010362.1 |          | 14714471 | uORF | MGC |
| Homo sapiens OTU domain, ubiquitin aldehyde binding 1, mRNA (cDNA clone MGC13444 IMAGE4334279), complete cds                                                                                      | gb | BC010368.1 |          | 14714482 | uORF | MGC |
| Homo sapiens ring finger protein 111, mRNA (cDNA clone IMAGE4049734), complete cds                                                                                                                | gb | BC010369.1 |          | 14714484 | uORF | MGC |
| Homo sapiens SH3 multiple domains 3, mRNA (cDNA clone MGC13671 IMAGE4091973), complete cds                                                                                                        | gb | BC010394.1 |          | 14714519 | uORF | MGC |
| Homo sapiens ATPase, H <sup>+</sup> transporting, lysosomal accessory protein 2, mRNA (cDNA clone IMAGE4275837), complete cds                                                                     | gb | BC010395.1 |          | 14714521 | uORF | MGC |
| Homo sapiens hypothetical protein MGC14859, mRNA (cDNA clone MGC14859 IMAGE3821871), complete cds                                                                                                 | gb | BC010405.2 |          | 33872016 | uORF | MGC |
| Homo sapiens poliovirus receptor-related 4, mRNA (cDNA clone MGC15117 IMAGE3610849), complete cds                                                                                                 | gb | BC010423.1 |          | 14714572 | uORF | MGC |
| Homo sapiens cDNA clone MGC15478 IMAGE296761, complete cds                                                                                                                                        | gb | BC010426.1 |          | 14714579 | uORF | MGC |
| Homo sapiens polymerase (RNA) II (DNA directed) polypeptide D, mRNA (cDNA clone IMAGE2989498), complete cds                                                                                       | gb | BC010427.1 |          | 14714581 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE3528357, partial cds                                                                                                                                                 | gb | BC010432.2 |          | 34194148 | uORF | MGC |
| Homo sapiens CDC42 effector protein (Rho GTPase binding) 4, mRNA (cDNA clone MGC17125 IMAGE4181539), complete cds                                                                                 | gb | BC010451.1 |          | 14714628 | uORF | MGC |
| Homo sapiens EGF-containing fibulin-like extracellular matrix protein 2, mRNA (cDNA clone MGC16972 IMAGE4182121), complete cds                                                                    | gb | BC010456.1 |          | 14714633 | uORF | MGC |
| Homo sapiens NDRG family member 2, transcript variant 3, mRNA (cDNA clone MGC16914 IMAGE4215141), complete cds                                                                                    | gb | BC010458.1 |          | 14714637 | uORF | MGC |
| Homo sapiens cDNA clone MGC17410 IMAGE4158035, complete cds                                                                                                                                       | gb | BC010467.1 |          | 14714654 | uORF | MGC |
| Homo sapiens cDNA clone MGC17451 IMAGE3448445, complete cds                                                                                                                                       | gb | BC010488.1 |          | 14714711 | uORF | MGC |
| Homo sapiens catenin (cadherin-associated protein), delta 1, mRNA (cDNA clone MGC17293 IMAGE3450203), complete cds                                                                                | gb | BC010501.1 |          | 14714716 | uORF | MGC |
| Homo sapiens KIAA0725 protein, mRNA (cDNA clone MGC16854 IMAGE3451888), complete cds                                                                                                              | gb | BC010504.1 |          | 14714722 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ10099, mRNA (cDNA clone MGC16991 IMAGE4150551), complete cds                                                                                                 | gb | BC010519.1 |          | 14714749 | uORF | MGC |
| Homo sapiens activated RNA polymerase II transcription cofactor 4, mRNA (cDNA clone MGC17295 IMAGE3457167), complete cds                                                                          | gb | BC010537.1 |          | 14714778 | uORF | MGC |
| Homo sapiens zinc finger protein 167, mRNA (cDNA clone IMAGE4154814), complete cds                                                                                                                | gb | BC010555.1 |          | 14714811 | uORF | MGC |
| Homo sapiens solute carrier family 38, member 1, mRNA (cDNA clone MGC17722 IMAGE3871101), complete cds                                                                                            | gb | BC010620.1 |          | 14714928 | uORF | MGC |
| Homo sapiens family with sequence similarity 29, member A, mRNA (cDNA clone IMAGE3873141), complete cds                                                                                           | gb | BC010632.1 |          | 14714947 | uORF | MGC |
| Homo sapiens, serine/threonine kinase 3 (Ste20, yeast homolog), clone MGC17710 IMAGE3868822, mRNA, complete cds                                                                                   | gb | BC010640.1 | BC010640 | 14714962 | uORF | MGC |
| Homo sapiens zinc finger protein 22 (KOX 15), mRNA (cDNA clone MGC9735 IMAGE3852749), complete cds                                                                                                | gb | BC010642.1 |          | 14714968 | uORF | MGC |
| Homo sapiens leucine rich repeat (in FLJ) interacting protein 1, mRNA (cDNA clone IMAGE3855382), complete cds                                                                                     | gb | BC010662.1 |          | 14715004 | uORF | MGC |
| Homo sapiens similar to RIKEN cDNA 1110002C08 gene, mRNA (cDNA clone MGC9564 IMAGE3872267), complete cds                                                                                          | gb | BC010691.1 |          | 14715054 | uORF | MGC |
| Homo sapiens amylase, alpha 2B; pancreatic, mRNA (cDNA clone MGC9935 IMAGE3873751), complete cds                                                                                                  | gb | BC010697.1 |          | 14715065 | uORF | MGC |
| Homo sapiens SH2-B homolog, mRNA (cDNA clone MGC16976 IMAGE3866324), complete cds                                                                                                                 | gb | BC010704.1 |          | 14715078 | uORF | MGC |
| Homo sapiens tRNA isopentenyltransferase 1, mRNA (cDNA clone MGC17002 IMAGE3905836), complete cds                                                                                                 | gb | BC010741.1 |          | 14789610 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ20397, mRNA (cDNA clone IMAGE3902385), complete cds                                                                                                          | gb | BC010850.1 |          | 15277431 | uORF | MGC |
| Homo sapiens aldo-keto reductase family 7, member A2 (alfatoxin aldehyde reductase), mRNA (cDNA clone MGC8910 IMAGE3898226), complete cds                                                         | gb | BC010852.1 |          | 14790004 | uORF | MGC |
| Homo sapiens, clone MGC9074 IMAGE3898208, mRNA, complete cds                                                                                                                                      | gb | BC010855.1 | BC010855 | 14790016 | uORF | MGC |
| Homo sapiens nei endonuclease VII-like 1 (E. coli), mRNA (cDNA clone MGC9973 IMAGE3879198), complete cds                                                                                          | gb | BC010876.1 |          | 14790077 | uORF | MGC |
| Homo sapiens REC8-like 1 (yeast), mRNA (cDNA clone MGC950 IMAGE3535425), complete cds                                                                                                             | gb | BC010887.1 |          | 14790109 | uORF | MGC |
| Homo sapiens CGI-116 protein, mRNA (cDNA clone MGC13336 IMAGE4272385), complete cds                                                                                                               | gb | BC010889.1 |          | 15011989 | uORF | MGC |
| Homo sapiens sulfotransferase family, cytosolic, 1B, member 1, mRNA (cDNA clone MGC13356 IMAGE4105139), complete cds                                                                              | gb | BC010895.1 |          | 15012000 | uORF | MGC |
| Homo sapiens cDNA clone MGC13362 IMAGE4283379, complete cds                                                                                                                                       | gb | BC010896.1 |          | 15012002 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ11011, mRNA (cDNA clone MGC13396 IMAGE4081461), complete cds                                                                                                 | gb | BC010900.1 |          | 15012010 | uORF | MGC |
| Homo sapiens cytoskeleton associated protein 2, mRNA (cDNA clone IMAGE4096950), complete cds                                                                                                      | gb | BC010901.1 |          | 15012012 | uORF | MGC |
| Homo sapiens HBxAg transactivated protein 1, mRNA (cDNA clone IMAGE4045265), complete cds                                                                                                         | gb | BC010904.1 |          | 15012017 | uORF | MGC |
| Homo sapiens PAK1 interacting protein 1, mRNA (cDNA clone MGC13426 IMAGE4251347), complete cds                                                                                                    | gb | BC010907.1 |          | 15012023 | uORF | MGC |
| Homo sapiens glutathione S-transferase pi, mRNA (cDNA clone MGC13474 IMAGE3960700), complete cds                                                                                                  | gb | BC010915.1 |          | 15012035 | uORF | MGC |
| Homo sapiens, clone MGC13522 IMAGE4291498, mRNA, complete cds                                                                                                                                     | gb | BC010929.1 | BC010929 | 15012059 | uORF | MGC |
| Homo sapiens MADS box transcription enhancer factor 2, polypeptide B (myocyte enhancer factor 2B), mRNA (cDNA clone IMAGE4280324), complete cds                                                   | gb | BC010931.1 |          | 15012063 | uORF | MGC |
| Homo sapiens casein kappa, mRNA (cDNA clone MGC13553 IMAGE4279903), complete cds                                                                                                                  | gb | BC010935.1 |          | 15012069 | uORF | MGC |
| Homo sapiens signal recognition particle 19kDa, mRNA (cDNA clone MGC13596 IMAGE4285753), complete cds                                                                                             | gb | BC010947.1 |          | 15012086 | uORF | MGC |
| Homo sapiens fibroblast growth factor 7 (keratinocyte growth factor), mRNA (cDNA clone MGC13629 IMAGE4282925), complete cds                                                                       | gb | BC010956.1 |          | 15012100 | uORF | MGC |
| Homo sapiens BCL2/adenovirus E1B 19kDa interacting protein 1, transcript variant BNP1, mRNA (cDNA clone MGC13644 IMAGE4052817), complete cds                                                      | gb | BC010959.1 |          | 15012106 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ12577, mRNA (cDNA clone MGC15031 IMAGE3956127), complete cds                                                                                                 | gb | BC010993.2 |          | 33877556 | uORF | MGC |
| Homo sapiens apoptosis related protein APR-3, transcript variant 2, mRNA (cDNA clone MGC13322 IMAGE4103408), complete cds                                                                         | gb | BC011006.1 |          | 15029605 | uORF | MGC |
| Homo sapiens ubiquitin-conjugating enzyme E2-like, mRNA (cDNA clone IMAGE4286315), complete cds                                                                                                   | gb | BC011011.1 |          | 15029613 | uORF | MGC |
| Homo sapiens fracture callus 1 homolog (rat), mRNA (cDNA clone MGC13456 IMAGE4070042), complete cds                                                                                               | gb | BC011014.1 |          | 15029618 | uORF | MGC |
| Homo sapiens survival motor neuron domain containing 1, mRNA (cDNA clone MGC17138 IMAGE4153336), complete cds                                                                                     | gb | BC011234.1 |          | 15029992 | uORF | MGC |
| Homo sapiens transcobalamin II; macrocytic anemia, mRNA (cDNA clone MGC17407 IMAGE4153362), complete cds                                                                                          | gb | BC011239.1 |          | 15029999 | uORF | MGC |
| Homo sapiens myotubularin related protein 1, mRNA (cDNA clone IMAGE3453013), complete cds                                                                                                         | gb | BC011250.1 |          | 15277444 | uORF | MGC |
| Homo sapiens lipoprotein lipase, mRNA (cDNA clone MGC17090 IMAGE4177781), complete cds                                                                                                            | gb | BC011353.1 |          | 15030192 | uORF | MGC |
| Homo sapiens glyoxalase I, mRNA (cDNA clone MGC17245 IMAGE4182593), complete cds                                                                                                                  | gb | BC011365.1 |          | 15030211 | uORF | MGC |
| Homo sapiens DKFZP434H132 protein, mRNA (cDNA clone MGC9854 IMAGE3866082), complete cds                                                                                                           | gb | BC011379.1 |          | 15277458 | uORF | MGC |
| Homo sapiens 3'-phosphoadenosine 5'-phosphosulfate synthase 1, mRNA (cDNA clone MGC9898 IMAGE3869484), complete cds                                                                               | gb | BC011392.1 |          | 15030251 | uORF | MGC |
| Homo sapiens chimerin (chimaerin) 1, mRNA (cDNA clone MGC9243 IMAGE3871858), complete cds                                                                                                         | gb | BC011393.1 |          | 15030253 | uORF | MGC |
| Homo sapiens chromosome 14 open reading frame 104, mRNA (cDNA clone MGC8822 IMAGE3853999), complete cds                                                                                           | gb | BC011400.1 |          | 15030260 | uORF | MGC |
| Homo sapiens chromosome 5 open reading frame 3, mRNA (cDNA clone MGC16827 IMAGE3855873), complete cds                                                                                             | gb | BC011414.1 |          | 15030281 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ20296, mRNA (cDNA clone IMAGE3853804), complete cds                                                                                                          | gb | BC011418.1 |          | 15030288 | uORF | MGC |
| Homo sapiens angiotensin like 2, mRNA (cDNA clone MGC16955 IMAGE4181482), complete cds                                                                                                            | gb | BC011454.1 |          | 15079242 | uORF | MGC |
| Homo sapiens chitinase 3-like 2, mRNA (cDNA clone MGC17183 IMAGE4214121), complete cds                                                                                                            | gb | BC011460.1 |          | 15079251 | uORF | MGC |
| Homo sapiens microphthalmia-associated transcription factor, mRNA (cDNA clone IMAGE3463997), complete cds                                                                                         | gb | BC011461.1 |          | 15341668 | uORF | MGC |
| Homo sapiens histone deacetylase 6, mRNA (cDNA clone IMAGE4179068), complete cds                                                                                                                  | gb | BC011498.1 |          | 15079316 | uORF | MGC |
| Homo sapiens tafazzin (cardiomyopathy, dilated 3A (X-linked); endocardial fibroelastosis 2; Barth syndrome), mRNA (cDNA clone MGC17101 IMAGE4339983), complete cds                                | gb | BC011515.1 |          | 15079343 | uORF | MGC |
| Homo sapiens v-rel reticuloendotheliosis viral oncogene homolog A, nuclear factor of kappa light polypeptide gene enhancer in B-cells 3, p65 (avian), mRNA (cDNA clone IMAGE313911), complete cds | gb | BC011519.1 |          | 15079347 | uORF | MGC |
| Homo sapiens PCTAIRE protein kinase 3, mRNA (cDNA clone MGC9361 IMAGE3855304), complete cds                                                                                                       | gb | BC011526.1 |          | 15079360 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ20084, mRNA (cDNA clone MGC19993 IMAGE4564051), complete cds                                                                                                 | gb | BC011553.1 |          | 15079424 | uORF | MGC |
| Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 20, mRNA (cDNA clone MGC20004 IMAGE4651697), complete cds                                                                                     | gb | BC011556.1 |          | 15079430 | uORF | MGC |
| Homo sapiens linker for activation of T cells, mRNA (cDNA clone MGC20145 IMAGE4644259), complete cds                                                                                              | gb | BC011563.1 |          | 15079450 | uORF | MGC |
| Homo sapiens ubiquitin specific protease 31, mRNA (cDNA clone IMAGE4650466), complete cds                                                                                                         | gb | BC011576.1 |          | 15079487 | uORF | MGC |
| Homo sapiens, clone MGC20354 IMAGE4548461, mRNA, complete cds                                                                                                                                     | gb | BC011578.1 | BC011578 | 15341681 | uORF | MGC |
| Homo sapiens, Similar to RD RNA-binding protein, clone MGC2263 IMAGE3050953, mRNA, complete cds                                                                                                   | gb | BC011600.1 | BC011600 | 15079543 | uORF | MGC |
| Homo sapiens v-rel reticuloendotheliosis viral oncogene homolog A, nuclear factor of kappa light polypeptide gene enhancer in B-cells 3, p65 (avian), mRNA (cDNA clone IMAGE313911), complete cds | gb | BC011603.1 |          | 15079552 | uORF | MGC |
| Homo sapiens, Similar to SET domain and mariner transposase fusion gene, clone MGC12780 IMAGE4080032, mRNA, complete cds                                                                          | gb | BC011635.1 | BC011635 | 15079635 | uORF | MGC |
| Homo sapiens, Similar to casein kinase 2, alpha 1 polypeptide, clone MGC15232 IMAGE4121882, mRNA, complete cds                                                                                    | gb | BC011668.1 | BC011668 | 15079695 | N/A  | MGC |
| Homo sapiens, clone MGC15406 IMAGE4299930, mRNA, complete cds                                                                                                                                     | gb | BC011676.1 | BC011676 | 15079719 | uORF | MGC |
| Homo sapiens damage-specific DNA binding protein 1, 127kDa, mRNA (cDNA clone MGC19563 IMAGE3845478), complete cds                                                                                 | gb | BC011686.2 |          | 33874415 | uORF | MGC |
| Homo sapiens nuclear receptor binding factor 2, mRNA (cDNA clone MGC19778 IMAGE3687848), complete cds                                                                                             | gb | BC011707.1 |          | 15079806 | uORF | MGC |
| Homo sapiens hypoxia-inducible factor prolyl 4-hydroxylase, mRNA (cDNA clone MGC19523 IMAGE3940241), complete cds                                                                                 | gb | BC011710.2 |          | 33877650 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ20772, mRNA (cDNA clone MGC19516 IMAGE3829724), complete cds                                                                                                 | gb | BC011713.2 |          | 33873310 | uORF | MGC |
| Homo sapiens, hypothetical protein MGC3222, clone MGC19834 IMAGE4079766, mRNA, complete cds                                                                                                       | gb | BC011719.1 | BC011719 | 15079832 | uORF | MGC |
| Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3C, mRNA (cDNA clone MGC19485 IMAGE4331363), complete cds                                                           | gb | BC011739.2 |          | 33889161 | uORF | MGC |
| Homo sapiens, Similar to tropomyosin 2 (beta), clone MGC19587 IMAGE3640927, mRNA, complete cds                                                                                                    | gb | BC011776.1 | BC011776 | 15079981 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE3941306, partial cds                                                                                                                                                 | gb | BC011779.2 |          | 33877673 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE3939974, partial cds                                                                                                                                                 | gb | BC011781.2 |          | 33873438 | uORF | MGC |
| Homo sapiens, clone MGC19561 IMAGE4300082, mRNA, complete cds                                                                                                                                     | gb | BC011792.1 | BC011792 | 15080015 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ11588, mRNA (cDNA clone MGC19478 IMAGE4336159), complete cds                                                                                                 | gb | BC011804.2 |          | 33877678 | uORF | MGC |
| Homo sapiens, clone MGC20260 IMAGE3028747, mRNA, complete cds                                                                                                                                     | gb | BC011811.1 | BC011811 | 15341704 | uORF | MGC |
| Homo sapiens likely ortholog of mouse synembrym, mRNA (cDNA clone MGC19883 IMAGE3688123), complete cds                                                                                            | gb | BC011821.1 |          | 15080083 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ111184, mRNA (cDNA clone MGC19960 IMAGE4110177), complete cds                                                                                                | gb | BC011842.2 |          | 33873824 | uORF | MGC |
| Homo sapiens DNA helicase HEL308, mRNA (cDNA clone IMAGE4328700), complete cds                                                                                                                    | gb | BC011863.2 |          | 33873932 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ14627, mRNA (cDNA clone MGC20447 IMAGE3532898), complete cds                                                                                                 | gb | BC011878.2 |          | 33874085 | uORF | MGC |
| Homo sapiens eukaryotic translation initiation factor (eIF) 2A, mRNA (cDNA clone MGC20557 IMAGE3688407), complete cds                                                                             | gb | BC011885.1 |          | 15080228 | uORF | MGC |
| Homo sapiens solute carrier family 35, member B1, mRNA (cDNA clone MGC20043 IMAGE3832062), complete cds                                                                                           | gb | BC011888.1 |          | 15080237 | uORF | MGC |
| Homo sapiens cofactor of BRCA1, mRNA (cDNA clone MGC19888 IMAGE3941719), complete cds                                                                                                             | gb | BC011892.1 |          | 15080249 | uORF | MGC |
| Homo sapiens hypothetical protein BC011916, mRNA (cDNA clone MGC20590 IMAGE4310241), complete cds                                                                                                 | gb | BC011916.1 |          | 15080313 | uORF | MGC |
| Homo sapiens, Similar to RIKEN cDNA 3200001K10 gene, clone MGC20460 IMAGE4542314, mRNA, complete cds                                                                                              | gb | BC011923.1 | BC011923 | 15080329 | uORF | MGC |
| Homo sapiens, clone MGC20510 IMAGE4542472, mRNA, complete cds                                                                                                                                     | gb | BC011924.1 | BC011924 | 15080332 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ12517, mRNA (cDNA clone IMAGE4544682), complete cds                                                                                                          | gb | BC011928.2 |          | 33877757 | uORF | MGC |
| Homo sapiens, hypothetical protein DKFZp434N185, clone MGC20562 IMAGE3936713, mRNA, complete cds                                                                                                  | gb | BC011936.1 | BC011936 | 15080366 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE4329532, partial cds                                                                                                                                                 | gb | BC011940.2 |          | 33874668 | uORF | MGC |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------|----------|------|-----|
| Homo sapiens cDNA clone IMAGE4623222, partial cds                                                                                                                          | gb | BC011941.2 | 33874285 | uORF | MGC |
| Homo sapiens BTG family, member 3, mRNA (cDNA clone MGC8928 IMAGE3859781), complete cds                                                                                    | gb | BC011957.1 | 15080407 | uORF | MGC |
| Homo sapiens syntaxin 7, mRNA (cDNA clone MGC9017 IMAGE3860059), complete cds                                                                                              | gb | BC011975.1 | 15080458 | uORF | MGC |
| Homo sapiens endothelial cell-specific molecule 1, mRNA (cDNA clone MGC9412 IMAGE3882426), complete cds                                                                    | gb | BC011989.1 | 15080492 | uORF | MGC |
| Homo sapiens hypothetical protein R29124.1, mRNA (cDNA clone MGC21758 IMAGE4540619), complete cds                                                                          | gb | BC012001.1 | 15080528 | uORF | MGC |
| Homo sapiens ring finger protein 125, mRNA (cDNA clone MGC21737 IMAGE4521427), complete cds                                                                                | gb | BC012021.1 | 15080561 | uORF | MGC |
| Homo sapiens smoothelin, mRNA (cDNA clone IMAGE4476475), complete cds                                                                                                      | gb | BC012026.1 | 15341735 | uORF | MGC |
| Homo sapiens ankyrin repeat and SOCS box-containing 13, mRNA (cDNA clone MGC19879 IMAGE4552643), complete cds                                                              | gb | BC012056.1 | 15082300 | uORF | MGC |
| Homo sapiens phosphatidylcholine transfer protein, mRNA (cDNA clone MGC20011 IMAGE4575824), complete cds                                                                   | gb | BC012084.1 | 15082347 | uORF | MGC |
| Homo sapiens expressed in hematopoietic cells, heart, liver, mRNA (cDNA clone IMAGE4661946), complete cds                                                                  | gb | BC012094.1 | 15082362 | uORF | MGC |
| Homo sapiens glucan (1,4-alpha)-, branching enzyme 1 (glycogen branching enzyme, Andersen disease, glycogen storage disease type IV), mRNA (cDNA clone MGC20071 IMAGE45749 | gb | BC012098.1 | 15082370 | uORF | MGC |
| Homo sapiens purinergic receptor P2Y, G-protein coupled, 2, transcript variant 1, mRNA (cDNA clone MGC20088 IMAGE4561430), complete cds                                    | gb | BC012104.1 | 15082380 | uORF | MGC |
| Homo sapiens nuclear VCP-like, mRNA (cDNA clone MGC20090 IMAGE4636004), complete cds                                                                                       | gb | BC012105.1 | 15082382 | uORF | MGC |
| Homo sapiens homer homolog 2 (Drosophila), mRNA (cDNA clone MGC20110 IMAGE4636423), complete cds                                                                           | gb | BC012109.1 | 15082390 | uORF | MGC |
| Homo sapiens nuclear factor 1/C (CCAAT-binding transcription factor), mRNA (cDNA clone MGC20153 IMAGE4554661), complete cds                                                | gb | BC012120.1 | 15082409 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ25436, mRNA (cDNA clone MGC20203 IMAGE4684687), complete cds                                                                          | gb | BC012131.1 | 15082425 | uORF | MGC |
| Homo sapiens naked cuticle homolog 2 (Drosophila), mRNA (cDNA clone MGC20432 IMAGE4646935), complete cds                                                                   | gb | BC012176.1 | 15082529 | uORF | MGC |
| Homo sapiens integrin beta 1 binding protein 1, transcript variant 1, mRNA (cDNA clone MGC3986 IMAGE3863540), complete cds                                                 | gb | BC012264.1 | 15126672 | uORF | MGC |
| Homo sapiens APG12 autophagy 12-like (S. cerevisiae), mRNA (cDNA clone MGC9094 IMAGE3864058), complete cds                                                                 | gb | BC012266.2 | 34194078 | uORF | MGC |
| Homo sapiens KIAA0515, mRNA (cDNA clone MGC16794 IMAGE3866664), complete cds                                                                                               | gb | BC012289.1 | 15126729 | uORF | MGC |
| Homo sapiens CGI-18 protein, mRNA (cDNA clone MGC8735 IMAGE3858865), complete cds                                                                                          | gb | BC012291.1 | 15126732 | uORF | MGC |
| Homo sapiens hypothetical protein BC012330, mRNA (cDNA clone MGC20410 IMAGE4638025), complete cds                                                                          | gb | BC012330.1 | 15147384 | uORF | MGC |
| Homo sapiens sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, fungal)-like, mRNA (cDNA clone MGC2084 IMAGE3537285), complete cds                                     | gb | BC012333.1 | 15147388 | uORF | MGC |
| Homo sapiens chromosome 3 open reading frame 1, mRNA (cDNA clone MGC19908 IMAGE4576562), complete cds                                                                      | gb | BC012341.1 | 15214430 | uORF | MGC |
| Homo sapiens RAP2B, member of RAS oncogene family, mRNA (cDNA clone MGC20484 IMAGE4550072), complete cds                                                                   | gb | BC012362.1 | 15214477 | uORF | MGC |
| Homo sapiens likely ortholog of mouse limb-bud and heart gene, mRNA (cDNA clone MGC17304 IMAGE3885402), complete cds                                                       | gb | BC012373.1 | 15706438 | uORF | MGC |
| Homo sapiens EGF-like-domain, multiple 7, mRNA (cDNA clone MGC8726 IMAGE380522), complete cds                                                                              | gb | BC012377.1 | 15214506 | uORF | MGC |
| Homo sapiens neuropilin (NRP) and tolloid (TLL)-like 2, mRNA (cDNA clone IMAGE3861573), complete cds                                                                       | gb | BC012381.1 | 15214514 | uORF | MGC |
| Homo sapiens protein phosphatase 1, regulatory subunit 7, mRNA (cDNA clone MGC9803 IMAGE3858906), complete cds                                                             | gb | BC012397.1 | 15214545 | uORF | MGC |
| Homo sapiens, clone MGC21750 IMAGE4537558, mRNA, complete cds                                                                                                              | gb | BC012462.1 | 15214667 | uORF | MGC |
| Homo sapiens ubiquitin D, mRNA (cDNA clone MGC21200 IMAGE4517233), complete cds                                                                                            | gb | BC012472.1 | 15214679 | uORF | MGC |
| Homo sapiens LCHN protein, mRNA (cDNA clone MGC21082 IMAGE4470021), complete cds                                                                                           | gb | BC012493.1 | 15706454 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE3928921, partial cds                                                                                                                          | gb | BC012528.2 | 33871424 | uORF | MGC |
| Homo sapiens LPS-responsive vesicle trafficking, beach and anchor containing, mRNA (cDNA clone IMAGE4101911), complete cds                                                 | gb | BC012535.1 | 15214800 | uORF | MGC |
| Homo sapiens hydroxysteroid (17-beta) dehydrogenase 12, mRNA (cDNA clone IMAGE4281565), complete cds                                                                       | gb | BC012536.1 | 15214802 | uORF | MGC |
| Homo sapiens CGI-125 protein, mRNA (cDNA clone MGC13339 IMAGE4248123), complete cds                                                                                        | gb | BC012539.1 | 15214806 | uORF | MGC |
| Homo sapiens eukaryotic translation initiation factor 4A, isoform 2, mRNA (cDNA clone MGC13368 IMAGE4079371), complete cds                                                 | gb | BC012547.1 | 15214820 | uORF | MGC |
| Homo sapiens chromosome 13 open reading frame 11, mRNA (cDNA clone MGC13427 IMAGE4080970), complete cds                                                                    | gb | BC012564.1 | 15214845 | uORF | MGC |
| Homo sapiens nucleophosmin (nuclear phosphoprotein B23, numatrin), mRNA (cDNA clone MGC13433 IMAGE4097025), complete cds                                                   | gb | BC012566.1 | 15214851 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ20344, mRNA (cDNA clone MGC13438 IMAGE4283420), complete cds                                                                          | gb | BC012569.1 | 15214857 | uORF | MGC |
| Homo sapiens likely ortholog of mouse acyl-Coenzyme A thioesterase 2, mitochondrial, mRNA (cDNA clone MGC13454 IMAGE3827798), complete cds                                 | gb | BC012573.1 | 15214866 | uORF | MGC |
| Homo sapiens zinc-finger protein AY163807, mRNA (cDNA clone IMAGE4291095), complete cds                                                                                    | gb | BC012575.1 | 15214871 | uORF | MGC |
| Homo sapiens bromodomain adjacent to zinc finger domain, 2B, mRNA (cDNA clone IMAGE4290975), complete cds                                                                  | gb | BC012576.1 | 15214873 | uORF | MGC |
| Homo sapiens chaperonin containing TCP1, subunit 8 (theta), mRNA (cDNA clone MGC13491 IMAGE4133182), complete cds                                                          | gb | BC012584.1 | 15214889 | uORF | MGC |
| Homo sapiens Similar to actin related protein 2/3 complex, subunit 4 (20 kD), clone MGC13544 IMAGE4296892, mRNA, complete cds                                              | gb | BC012596.1 | 15214919 | uORF | MGC |
| Homo sapiens serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 2, mRNA (cDNA clone MGC13616 IMAGE4281065), complete cds                               | gb | BC012609.1 | 15214955 | uORF | MGC |
| Homo sapiens betaine-homocysteine methyltransferase, mRNA (cDNA clone MGC13645 IMAGE4045543), complete cds                                                                 | gb | BC012616.1 | 15214971 | uORF | MGC |
| Homo sapiens protein kinase, AMP-activated, alpha 1 catalytic subunit, mRNA (cDNA clone IMAGE4286367), complete cds                                                        | gb | BC012622.1 | 15214986 | uORF | MGC |
| Homo sapiens N-acetyltransferase 8 (carnellio like), mRNA (cDNA clone MGC13677 IMAGE4045439), complete cds                                                                 | gb | BC012626.1 | 15214997 | uORF | MGC |
| Homo sapiens nuclear receptor coactivator 4, mRNA (cDNA clone MGC15177 IMAGE3842427), complete cds                                                                         | gb | BC012736.2 | 33877873 | uORF | MGC |
| Homo sapiens, clone MGC15398 IMAGE3954629, mRNA, complete cds                                                                                                              | gb | BC012746.1 | 15215319 | uORF | MGC |
| Homo sapiens, NMA (never in mitosis gene a)-related kinase 6, clone MGC16199 IMAGE3640103, mRNA, complete cds                                                              | gb | BC012761.1 | 15215334 | N/A  | MGC |
| Homo sapiens, NMA (never in mitosis gene a)-related kinase 6, clone MGC16199 IMAGE3640103, mRNA, complete cds                                                              | gb | BC012761.1 | 15215334 | uORF | MGC |
| Homo sapiens, clone MGC16233 IMAGE3777877, mRNA, complete cds                                                                                                              | gb | BC012766.1 | 15215342 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE3949276, partial cds                                                                                                                          | gb | BC012783.2 | 33877851 | uORF | MGC |
| Homo sapiens, clone MGC4124 IMAGE2959990, mRNA, complete cds                                                                                                               | gb | BC012814.1 | 15215438 | uORF | MGC |
| Homo sapiens, Similar to RIKEN cDNA A030005L14 gene, clone MGC4468 IMAGE2961209, mRNA, complete cds                                                                        | gb | BC012824.1 | 15215464 | uORF | MGC |
| Homo sapiens hypothetical protein PTD004, mRNA (cDNA clone MGC9241 IMAGE3861915), complete cds                                                                             | gb | BC012842.1 | 15277483 | uORF | MGC |
| Homo sapiens retinoic acid induced 16, mRNA (cDNA clone MGC9998 IMAGE3882535), complete cds                                                                                | gb | BC012865.1 | 15991852 | uORF | MGC |
| Homo sapiens, clone MGC17259 IMAGE4149333, mRNA, complete cds                                                                                                              | gb | BC012876.1 | 15277558 | uORF | MGC |
| Homo sapiens cDNA clone MGC17553 IMAGE3463076, complete cds                                                                                                                | gb | BC012881.1 | 15991854 | uORF | MGC |
| Homo sapiens voltage-dependent anion channel 2, mRNA (cDNA clone MGC21498 IMAGE3875077), complete cds                                                                      | gb | BC012883.1 | 15277576 | uORF | MGC |
| Homo sapiens N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1, mRNA (cDNA clone MGC9410 IMAGE3882074), complete cds                                               | gb | BC012888.1 | 15277596 | uORF | MGC |
| Homo sapiens cDNA clone MGC18288 IMAGE4179238, complete cds                                                                                                                | gb | BC012895.1 | 15991856 | uORF | MGC |
| Homo sapiens leucine zipper domain protein, mRNA (cDNA clone MGC9816 IMAGE3861570), complete cds                                                                           | gb | BC012901.1 | 15277681 | uORF | MGC |
| Homo sapiens Kruppel-like factor 7 (ubiquitous), mRNA (cDNA clone MGC21308 IMAGE4509200), complete cds                                                                     | gb | BC012919.1 | 15341758 | uORF | MGC |
| Homo sapiens dual adaptor of phosphotyrosine and 3-phosphoinositides, mRNA (cDNA clone MGC21117 IMAGE4517170), complete cds                                                | gb | BC012924.1 | 15277835 | uORF | MGC |
| Homo sapiens EPS8-like 3, mRNA (cDNA clone MGC16817 IMAGE3853503), complete cds                                                                                            | gb | BC012926.1 | 15277845 | uORF | MGC |
| Homo sapiens CGI-85 protein, mRNA (cDNA clone IMAGE4707576), complete cds                                                                                                  | gb | BC012933.1 | 15277878 | uORF | MGC |
| Homo sapiens cDNA clone MGC16098 IMAGE3620129, complete cds                                                                                                                | gb | BC012981.2 | 33872903 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE3828944, partial cds                                                                                                                          | gb | BC012984.2 | 33988879 | uORF | MGC |
| Homo sapiens sulfatase 1, mRNA (cDNA clone IMAGE3530799), partial cds                                                                                                      | gb | BC012997.2 | 33869953 | uORF | MGC |
| Homo sapiens IK cytokine, down-regulator of HLA II, mRNA (cDNA clone MGC3980 IMAGE3030079), complete cds                                                                   | gb | BC013005.2 | 33870128 | uORF | MGC |
| Homo sapiens chromosome 6 open reading frame 80, mRNA (cDNA clone MGC4585 IMAGE3051467), complete cds                                                                      | gb | BC013019.1 | 15278215 | uORF | MGC |
| Homo sapiens, clone MGC4704 IMAGE3534425, mRNA, complete cds                                                                                                               | gb | BC013031.1 | 15991878 | uORF | MGC |
| Homo sapiens, clone MGC4758 IMAGE3537574, mRNA, complete cds                                                                                                               | gb | BC013039.1 | 15278378 | uORF | MGC |
| Homo sapiens LIM domain kinase 2, mRNA (cDNA clone MGC8917 IMAGE3861412), complete cds                                                                                     | gb | BC013051.1 | 15341773 | uORF | MGC |
| Homo sapiens cysteine conjugate-beta lyase; cytoplasmic (glutamine transaminase K, kynurenine aminotransferase), mRNA (cDNA clone IMAGE4149342), complete cds              | gb | BC013069.1 | 15341800 | uORF | MGC |
| Homo sapiens chromosome 1 open reading frame 37, mRNA (cDNA clone MGC17225 IMAGE4151716), complete cds                                                                     | gb | BC013073.1 | 15341805 | uORF | MGC |
| Homo sapiens rhomboid, veinlet-like 2 (Drosophila), mRNA (cDNA clone IMAGE4343882), complete cds                                                                           | gb | BC013103.1 | 15341850 | uORF | MGC |
| Homo sapiens H326, mRNA (cDNA clone IMAGE4707576), complete cds                                                                                                            | gb | BC013107.1 | 15341858 | uORF | MGC |
| Homo sapiens solute carrier family 23 (nucleobase transporters), member 2, mRNA (cDNA clone MGC9492 IMAGE3923057), complete cds                                            | gb | BC013122.2 | 15488565 | uORF | MGC |
| Homo sapiens RNA binding motif protein 9, mRNA (cDNA clone MGC16969 IMAGE4346741), complete cds                                                                            | gb | BC013151.1 | 15341870 | uORF | MGC |
| Homo sapiens CLIP-170-related protein, mRNA (cDNA clone MGC21836 IMAGE4214441), complete cds                                                                               | gb | BC013116.1 | 15341872 | uORF | MGC |
| Homo sapiens signal-induced proliferation-associated 1 like 2, mRNA (cDNA clone MGC16869 IMAGE3857408), complete cds                                                       | gb | BC013119.1 | 15341878 | uORF | MGC |
| Homo sapiens crystallin, zeta (puroinon reductase)-like 1, mRNA (cDNA clone IMAGE3870188), complete cds                                                                    | gb | BC013155.1 | 15341933 | uORF | MGC |
| Homo sapiens amyloid beta (A4) precursor protein-binding, family B, member 3, transcript variant 2, mRNA (cDNA clone MGC9100 IMAGE3870148), complete cds                   | gb | BC013158.1 | 15341937 | uORF | MGC |
| Homo sapiens selenoprotein K, mRNA (cDNA clone MGC17057 IMAGE4345594), complete cds                                                                                        | gb | BC013162.1 | 15341943 | uORF | MGC |
| Homo sapiens RP42 homolog, mRNA (cDNA clone MGC18025 IMAGE3924462), complete cds                                                                                           | gb | BC013163.1 | 15341945 | uORF | MGC |
| Homo sapiens cDNA clone MGC17065 IMAGE4344401, complete cds                                                                                                                | gb | BC013171.1 | 15341955 | uORF | MGC |
| Homo sapiens ankyrin repeat and SOCS box-containing 9, mRNA (cDNA clone MGC8847 IMAGE3917449), complete cds                                                                | gb | BC013172.1 | 15341957 | uORF | MGC |
| Homo sapiens splicing factor, arginine/serine-rich 16 (suppressor-of-white-apricot homolog, Drosophila), mRNA (cDNA clone IMAGE4304697), complete cds                      | gb | BC013178.1 | 15341967 | uORF | MGC |
| Homo sapiens lymphocyte-specific protein tyrosine kinase, mRNA (cDNA clone MGC17196 IMAGE4341278), complete cds                                                            | gb | BC013200.1 | 15341996 | uORF | MGC |
| Homo sapiens DKFZP564O0823 protein, mRNA (cDNA clone MGC3551 IMAGE3028327), complete cds                                                                                   | gb | BC013294.2 | 33990906 | uORF | MGC |
| Homo sapiens FYVE, RhoGEF and PH domain containing 6, mRNA (cDNA clone MGC13390 IMAGE4286103), complete cds                                                                | gb | BC013319.1 | 15426437 | uORF | MGC |
| Homo sapiens, HpaII tiny fragments locus 9C, clone MGC14943 IMAGE4054100, mRNA, complete cds                                                                               | gb | BC013352.1 | 15426493 | uORF | MGC |
| Homo sapiens C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 12, transcript variant 9, mRNA (cDNA clone IMAGE3868410), complete cds | gb | BC013385.1 | 15426543 | uORF | MGC |
| Homo sapiens adducin 1 (alpha), mRNA (cDNA clone MGC3339 IMAGE3532276), complete cds                                                                                       | gb | BC013393.2 | 33869910 | uORF | MGC |
| Homo sapiens, clone MGC4589 IMAGE3160334, mRNA, complete cds                                                                                                               | gb | BC013413.1 | 15426580 | uORF | MGC |
| Homo sapiens HSPD056 protein, mRNA (cDNA clone MGC10058 IMAGE3892143), complete cds                                                                                        | gb | BC013424.1 | 15488567 | uORF | MGC |
| Homo sapiens likely ortholog of mouse common-site lymphoma/leukemia GEF, mRNA (cDNA clone MGC10073 IMAGE3896004), complete cds                                             | gb | BC013426.1 | 15488569 | uORF | MGC |
| Homo sapiens, Similar to MADS box transcription enhancer factor 2, polypeptide A (myocyte enhancer factor 2A), clone MGC17198 IMAGE3896491, mRNA, complete cds             | gb | BC013437.1 | 15488586 | uORF | MGC |
| Homo sapiens ubiquitin specific protease 31, mRNA (cDNA clone IMAGE3897418), complete cds                                                                                  | gb | BC013567.1 | 15488873 | uORF | MGC |
| Homo sapiens, Similar to v-Ki-ras2 Kirsten rat sarcoma 2 viral oncogene homolog, clone MGC8977 IMAGE3878884, mRNA, complete cds                                            | gb | BC013572.1 | 15488882 | uORF | MGC |
| Homo sapiens cadherin 11, type 2, OB-cadherin (osteoblast), transcript variant 1, mRNA (cDNA clone MGC17193 IMAGE4183901), complete cds                                    | gb | BC013609.1 | 15488965 | uORF | MGC |
| Homo sapiens EF hand domain containing 2, mRNA (cDNA clone IMAGE3458218), complete cds                                                                                     | gb | BC013648.1 | 15489068 | uORF | MGC |
| Homo sapiens, uncharacterized hematopoietic stem/progenitor cells protein MDS027, clone MGC17655 IMAGE3858231, mRNA, complete cds                                          | gb | BC013687.1 | 16507920 | uORF | MGC |
| Homo sapiens propionyl Coenzyme A carboxylase, beta polypeptide, mRNA (cDNA clone MGC9104 IMAGE3919091), complete cds                                                      | gb | BC013768.1 | 15559226 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ13291, mRNA (cDNA clone MGC16850 IMAGE4345035), complete cds                                                                          | gb | BC013778.1 | 15489366 | uORF | MGC |
| Homo sapiens Purkinje cell protein 4, mRNA (cDNA clone MGC17158 IMAGE4345740), complete cds                                                                                | gb | BC013791.1 | 15489396 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ23560, mRNA (cDNA clone IMAGE3919095), complete cds                                                                                   | gb | BC013795.1 | 15489407 | uORF | MGC |
| Homo sapiens adaptor-related protein complex 2, mu 1 subunit, mRNA (cDNA clone MGC9329 IMAGE3924339), complete cds                                                         | gb | BC013796.1 | 15489410 | uORF | MGC |
| Homo sapiens, clone MGC10589 IMAGE3831747, mRNA, complete cds                                                                                                              | gb | BC013879.1 | 15530206 | N/A  | MGC |
| Homo sapiens hypothetical protein FLJ20436, mRNA (cDNA clone MGC15026 IMAGE3928141), complete cds                                                                          | gb | BC013900.1 | 15530237 | uORF | MGC |
| Homo sapiens, Similar to hypothetical protein, clone MGC15224 IMAGE3956972, mRNA, complete cds                                                                             | gb | BC013902.1 | 15530240 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE3835859, partial cds                                                                                                                          | gb | BC013905.2 | 33878306 | uORF | MGC |
| Homo sapiens eukaryotic translation elongation factor 1 gamma, mRNA (cDNA clone MGC22883 IMAGE4048470), complete cds                                                       | gb | BC013918.1 | 15530264 | uORF | MGC |
| Homo sapiens ferritin, light polypeptide, mRNA (cDNA clone MGC24228 IMAGE3839120), complete cds                                                                            | gb | BC013928.1 | 15530276 | uORF | MGC |
| Homo sapiens mRNA similar to hypothetical protein FLJ21394 (cDNA clone MGC24280 IMAGE3950761), complete cds                                                                | gb | BC013935.1 | 15530286 | uORF | MGC |
| Homo sapiens UDP-N-acetyl-alpha-D-galactosaminopolypeptide 12 (GalNAc-T12), mRNA (cDNA clone IMAGE4064736), complete cds                                                   | gb | BC013945.1 | 15530298 | uORF | MGC |
| Homo sapiens fibroblast growth factor receptor-like 1, mRNA (cDNA clone MGC3258 IMAGE3506216), complete cds                                                                | gb | BC013955.2 | 38014031 | uORF | MGC |
| Homo sapiens cDNA clone MGC3432 IMAGE2959461, complete cds                                                                                                                 | gb | BC013957.1 | 15530318 | uORF | MGC |
| Homo sapiens, clone MGC4131 IMAGE2961417, mRNA, complete cds                                                                                                               | gb | BC013959.1 | 15530322 | uORF | MGC |
| Homo sapiens family with sequence similarity 64, member A, mRNA (cDNA clone MGC993 IMAGE2988318), complete cds                                                             | gb | BC013966.2 | 33869264 | uORF | MGC |
| Homo sapiens, Similar to hypothetical protein FLJ11294, clone MGC19958 IMAGE3640219, mRNA, complete cds                                                                    | gb | BC013990.1 | 15559266 | uORF | MGC |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------|----------|----------|------|-----|
| Homo sapiens, clone MGC20495 IMAGE3936113, mRNA, complete cds                                                                                                                                    | gb | BC014001.1 | BC014001 | 15559283 | uORF | MGC |
| Homo sapiens TNFAIP3 interacting protein 1, mRNA (cDNA clone MGC20124 IMAGE4040118), complete cds                                                                                                | gb | BC014008.1 |          | 15559296 | uORF | MGC |
| Homo sapiens, Similar to BAI1-associated protein 2, clone MGC20295 IMAGE4125501, mRNA, complete cds                                                                                              | gb | BC014020.1 | BC014020 | 15559319 | uORF | MGC |
| Homo sapiens, Similar to serum/gluco corticoid regulated kinase 2, clone MGC19932 IMAGE4547431, mRNA, complete cds                                                                               | gb | BC014037.1 | BC014037 | 15559344 | N/A  | MGC |
| Homo sapiens, Similar to small inducible cytokine subfamily E, member 1 (endothelial monocyte-activating), clone MGC20063 IMAGE3638796, mRNA, complete cds                                       | gb | BC014051.1 | BC014051 | 15559364 | uORF | MGC |
| Homo sapiens, Similar to RIKEN cDNA 11100290707 gene, clone MGC20204 IMAGE3622213, mRNA, complete cds                                                                                            | gb | BC014057.1 | BC014057 | 15559378 | uORF | MGC |
| Homo sapiens v-rel reticulendotheliosis viral oncogene homolog A, nuclear factor of kappa light polypeptide gene enhancer in B-cells 3, p65 (avian), mRNA (cDNA clone IMAGE454716), complete cds | gb | BC014095.2 |          | 33987779 | uORF | MGC |
| Homo sapiens, clone MGC20885 IMAGE4548935, mRNA, complete cds                                                                                                                                    | gb | BC014117.1 | BC014117 | 15559501 | uORF | MGC |
| Homo sapiens, hypothetical protein FLJ14494, clone MGC20779 IMAGE4621434, mRNA, complete cds                                                                                                     | gb | BC014131.1 | BC014131 | 15559539 | uORF | MGC |
| Homo sapiens, clone MGC20783 IMAGE4622495, mRNA, complete cds                                                                                                                                    | gb | BC014133.1 | BC014133 | 15559545 | uORF | MGC |
| Homo sapiens Bardet-Biedl syndrome 2, mRNA (cDNA clone MGC20703 IMAGE4653315), complete cds                                                                                                      | gb | BC014140.2 |          | 33878488 | uORF | MGC |
| Homo sapiens, Similar to ELAV (embryonic lethal, abnormal vision, Drosophila)-like 3 (Hu antigen C), clone MGC20653 IMAGE4761919, mRNA, complete cds                                             | gb | BC014144.1 | BC014144 | 15559564 | uORF | MGC |
| Homo sapiens adaptor-related protein complex 4, beta 1 subunit, mRNA (cDNA clone MGC20704 IMAGE2906087), complete cds                                                                            | gb | BC014146.2 |          | 33878380 | uORF | MGC |
| Homo sapiens, clone MGC20917 IMAGE4560090, mRNA, complete cds                                                                                                                                    | gb | BC014170.1 | BC014170 | 15559621 | uORF | MGC |
| Homo sapiens, clone MGC20780 IMAGE4621678, mRNA, complete cds                                                                                                                                    | gb | BC014181.1 | BC014181 | 15559648 | uORF | MGC |
| Homo sapiens, clone MGC20718 IMAGE3952809, mRNA, complete cds                                                                                                                                    | gb | BC014194.1 | BC014194 | 15559676 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE3954254, partial cds                                                                                                                                                | gb | BC014218.2 |          | 33878403 | uORF | MGC |
| Homo sapiens, Similar to KIAA0690 protein, clone MGC20697 IMAGE4553927, mRNA, complete cds                                                                                                       | gb | BC014237.1 | BC014237 | 15559769 | uORF | MGC |
| Homo sapiens, Similar to reticulon 2, clone MGC20768 IMAGE4586895, mRNA, complete cds                                                                                                            | gb | BC014244.1 | BC014244 | 15559786 | uORF | MGC |
| Homo sapiens poly (ADP-ribose) polymerase family, member 3, transcript variant 3, mRNA (cDNA clone MGC20611 IMAGE4763951), complete cds                                                          | gb | BC014260.2 |          | 40226313 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE4550805, partial cds                                                                                                                                                | gb | BC014264.2 |          | 33877587 | uORF | MGC |
| Homo sapiens endoglin (Osler-Render-Weber syndrome 1), mRNA (cDNA clone MGC10516 IMAGE3843174), complete cds                                                                                     | gb | BC014271.2 |          | 33871100 | uORF | MGC |
| Homo sapiens likely ortholog of mouse C114 dsRNA-binding protein, mRNA (cDNA clone MGC14980 IMAGE3940868), complete cds                                                                          | gb | BC014286.1 |          | 15679979 | uORF | MGC |
| Homo sapiens chromosome 14 open reading frame 93, mRNA (cDNA clone MGC15042 IMAGE3936989), complete cds                                                                                          | gb | BC014299.2 |          | 33873047 | uORF | MGC |
| Homo sapiens chromosome 9 open reading frame 11, mRNA (cDNA clone MGC22241 IMAGE3935423), complete cds                                                                                           | gb | BC014307.1 |          | 15679993 | uORF | MGC |
| Homo sapiens small nuclear RNA activating complex, polypeptide 5, 19kDa, mRNA (cDNA clone MGC22700 IMAGE3997264), complete cds                                                                   | gb | BC014315.1 |          | 15680008 | uORF | MGC |
| Homo sapiens B-cell receptor-associated protein 31, mRNA (cDNA clone MGC22836 IMAGE3930567), complete cds                                                                                        | gb | BC014323.1 |          | 15680022 | uORF | MGC |
| Homo sapiens hematopoietically expressed homeobox, mRNA (cDNA clone MGC22882 IMAGE4046641), complete cds                                                                                         | gb | BC014336.1 |          | 15680040 | uORF | MGC |
| Homo sapiens integrin beta 3 binding protein (beta3-endonexin), mRNA (cDNA clone MGC24383 IMAGE4064625), complete cds                                                                            | gb | BC014385.1 |          | 15680104 | uORF | MGC |
| Homo sapiens hypothetical protein DJ159A19.3, mRNA (cDNA clone MGC15173 IMAGE3610205), complete cds                                                                                              | gb | BC014394.1 |          | 17939591 | uORF | MGC |
| Homo sapiens hypothetical protein MDS018, mRNA (cDNA clone MGC19897 IMAGE4647763), complete cds                                                                                                  | gb | BC014409.1 |          | 15680132 | uORF | MGC |
| Homo sapiens mitochondrial translational release factor 1-like, mRNA (cDNA clone MGC20252 IMAGE4646472), complete cds                                                                            | gb | BC014428.1 |          | 15680164 | uORF | MGC |
| Homo sapiens, clone MGC22922 IMAGE4855747, mRNA, complete cds                                                                                                                                    | gb | BC014435.1 | BC014435 | 15680178 | uORF | MGC |
| Homo sapiens MGC22960 gene, mRNA (cDNA clone MGC22960 IMAGE4865283), complete cds                                                                                                                | gb | BC014441.1 |          | 15680184 | uORF | MGC |
| Homo sapiens protein C receptor, endothelial (EPCR), mRNA (cDNA clone MGC23024 IMAGE4907433), complete cds                                                                                       | gb | BC014451.1 |          | 15680199 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE4903661, complete cds                                                                                                                                               | gb | BC014452.1 |          | 15680201 | uORF | MGC |
| Homo sapiens glycine C-acetyltransferase (2-amino-3-ketobutyrate coenzyme A ligase), mRNA (cDNA clone MGC23053 IMAGE4859130), complete cds                                                       | gb | BC014457.1 |          | 15680221 | uORF | MGC |
| Homo sapiens baculoviral IAP repeat-containing 7 (Ivlin), transcript variant 1, mRNA (cDNA clone MGC23131 IMAGE4859588), complete cds                                                            | gb | BC014475.1 |          | 15680240 | uORF | MGC |
| Homo sapiens dystonia 1, torsion (autosomal dominant; torsin A), mRNA (cDNA clone MGC23205 IMAGE4869856), complete cds                                                                           | gb | BC014484.1 |          | 15680257 | uORF | MGC |
| Homo sapiens CLIP-170-related protein, mRNA (cDNA clone MGC23208 IMAGE4872481), complete cds                                                                                                     | gb | BC014486.1 |          | 15680261 | uORF | MGC |
| Homo sapiens zinc finger protein 215, mRNA (cDNA clone MGC13447 IMAGE3827937), complete cds                                                                                                      | gb | BC014538.1 |          | 15778918 | uORF | MGC |
| Homo sapiens secretogranin III, mRNA (cDNA clone MGC13448 IMAGE4283082), complete cds                                                                                                            | gb | BC014539.1 |          | 15778921 | uORF | MGC |
| Homo sapiens, Similar to thiamine pyrophosphokinase, clone MGC14885 IMAGE3622116, mRNA, complete cds                                                                                             | gb | BC014552.1 | BC014552 | 15778947 | uORF | MGC |
| Homo sapiens N-acetylglucosamine-1-phosphotransferase, gamma subunit, mRNA (cDNA clone MGC26282 IMAGE4824054), complete cds                                                                      | gb | BC014592.1 |          | 15779034 | uORF | MGC |
| Homo sapiens hypothetical protein BC014602, mRNA (cDNA clone MGC26848 IMAGE4821635), complete cds                                                                                                | gb | BC014602.2 |          | 34190368 | uORF | MGC |
| Homo sapiens AKAP-associated sperm protein, mRNA (cDNA clone MGC26950 IMAGE4820798), complete cds                                                                                                | gb | BC014607.2 |          | 34194240 | uORF | MGC |
| Homo sapiens collagen, type XIV, alpha 1 (undulin), mRNA (cDNA clone MGC15451 IMAGE2960796), complete cds                                                                                        | gb | BC014640.1 |          | 15779149 | uORF | MGC |
| Homo sapiens cerebroside (3'-phosphoadenylylsulfatagalactosylceramide 3') sulfotransferase, mRNA (cDNA clone MGC20064 IMAGE4564703), complete cds                                                | gb | BC014649.1 |          | 15779171 | uORF | MGC |
| Homo sapiens chromosome 9 open reading frame 82, mRNA (cDNA clone MGC20431 IMAGE4848932), complete cds                                                                                           | gb | BC014658.1 |          | 15779195 | uORF | MGC |
| Homo sapiens alcohol dehydrogenase 5 (class III), chi polypeptide, mRNA (cDNA clone MGC23126 IMAGE4853366), complete cds                                                                         | gb | BC014665.1 |          | 15779215 | uORF | MGC |
| Homo sapiens immunoglobulin heavy constant gamma 1 (G1m marker), mRNA (cDNA clone MGC23153 IMAGE4850078), complete cds                                                                           | gb | BC014667.1 |          | 15779221 | uORF | MGC |
| Homo sapiens BCL2-associated athanogene, mRNA (cDNA clone MGC17086 IMAGE3457225), complete cds                                                                                                   | gb | BC014774.1 |          | 15928604 | uORF | MGC |
| Homo sapiens hypothetical protein MGC4677, mRNA (cDNA clone MGC17532 IMAGE3459303), complete cds                                                                                                 | gb | BC014776.1 |          | 15928610 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ20574, mRNA (cDNA clone MGC16994 IMAGE4343862), complete cds                                                                                                | gb | BC014794.1 |          | 15928647 | uORF | MGC |
| Homo sapiens origin recognition complex, subunit 4-like (yeast), transcript variant 1, mRNA (cDNA clone MGC5141 IMAGE3446657), complete cds                                                      | gb | BC014847.1 |          | 15928777 | uORF | MGC |
| Homo sapiens ceroid-lipofuscinosis, neuronal 2, late infantile (Jansky-Bielschowsky disease), mRNA (cDNA clone MGC21297 IMAGE4385872), complete cds                                              | gb | BC014863.1 |          | 15928807 | uORF | MGC |
| Homo sapiens nuclear transport factor 2-like export factor 2, mRNA (cDNA clone MGC10178 IMAGE3908026), complete cds                                                                              | gb | BC014888.1 |          | 15928849 | uORF | MGC |
| Homo sapiens, requiem, apoptosis response zinc finger gene, clone MGC01080 IMAGE3908181, mRNA, complete cds                                                                                      | gb | BC014889.1 | BC014889 | 15928852 | uORF | MGC |
| Homo sapiens KIAA0701 protein, mRNA (cDNA clone MGC01084 IMAGE3908507), complete cds                                                                                                             | gb | BC014891.1 |          | 15928858 | uORF | MGC |
| Homo sapiens myc-induced nuclear antigen, 53 kDa, transcript variant 2, mRNA (cDNA clone MGC17935 IMAGE3916148), complete cds                                                                    | gb | BC014928.1 |          | 15928920 | uORF | MGC |
| Homo sapiens likely ortholog of mouse D11lip2, mRNA (cDNA clone MGC22961 IMAGE4885798), complete cds                                                                                             | gb | BC014949.1 |          | 15928964 | uORF | MGC |
| Homo sapiens RING1 and YY1 binding protein, mRNA (cDNA clone MGC23015 IMAGE4902201), complete cds                                                                                                | gb | BC014959.1 |          | 15928992 | uORF | MGC |
| Homo sapiens activating transcription factor 6, mRNA (cDNA clone IMAGE4908463), complete cds                                                                                                     | gb | BC014969.1 |          | 15929021 | uORF | MGC |
| Homo sapiens similar to putative transmembrane protein; homolog of yeast Golgi membrane protein Yfp1p (Yip1p-interacting factor), mRNA (cDNA clone MGC23132 IMAGE4865479), c                     | gb | BC014974.1 |          | 15929031 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ14668, mRNA (cDNA clone MGC23146 IMAGE4903550), complete cds                                                                                                | gb | BC014975.1 |          | 15929033 | uORF | MGC |
| Homo sapiens N-methylurine-DNA glycosylase, mRNA (cDNA clone MGC23226 IMAGE4909112), complete cds                                                                                                | gb | BC014991.1 |          | 15929072 | uORF | MGC |
| Homo sapiens hydroxyacylglutathione hydrolase-like, mRNA (cDNA clone MGC23633 IMAGE4862387), complete cds                                                                                        | gb | BC015008.1 |          | 15929095 | uORF | MGC |
| Homo sapiens lipocalin-interacting membrane receptor, mRNA (cDNA clone MGC08811 IMAGE3910520), complete cds                                                                                      | gb | BC015015.1 |          | 15929115 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ32915, mRNA (cDNA clone MGC9522 IMAGE3909690), complete cds                                                                                                 | gb | BC015047.1 |          | 15929191 | uORF | MGC |
| Homo sapiens hypothetical protein MGC5601, mRNA (cDNA clone IMAGE3922910), complete cds                                                                                                          | gb | BC015056.1 |          | 15929211 | uORF | MGC |
| Homo sapiens CGI-32 protein, mRNA (cDNA clone MGC13469 IMAGE4096371), complete cds                                                                                                               | gb | BC015059.1 |          | 15929219 | uORF | MGC |
| Homo sapiens core-binding factor, runt domain, alpha subunit 2; translocated to, 2, mRNA (cDNA clone IMAGE4294612), complete cds                                                                 | gb | BC015066.1 |          | 15929238 | uORF | MGC |
| Homo sapiens calpain 1, (mu/T) large subunit, mRNA (cDNA clone IMAGE4054775), partial cds                                                                                                        | gb | BC015091.2 |          | 33873045 | uORF | MGC |
| Homo sapiens mitochondrial ribosomal protein L1, mRNA (cDNA clone MGC22872 IMAGE40444993), complete cds                                                                                          | gb | BC015109.1 |          | 15929351 | uORF | MGC |
| Homo sapiens exocyst complex component 7, mRNA (cDNA clone IMAGE3891713), complete cds                                                                                                           | gb | BC015165.1 |          | 15929464 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ13855, mRNA (cDNA clone IMAGE3898543), partial cds                                                                                                          | gb | BC015169.1 |          | 15929469 | uORF | MGC |
| Homo sapiens cytochrome b-5, mRNA (cDNA clone MGC10230 IMAGE3912638), complete cds                                                                                                               | gb | BC015182.1 |          | 15929505 | uORF | MGC |
| Homo sapiens platelet-derived growth factor receptor, alpha polypeptide, mRNA (cDNA clone IMAGE4043984), complete cds                                                                            | gb | BC015186.1 |          | 15929513 | uORF | MGC |
| Homo sapiens, hypothetical protein FLJ13111, clone MGC16856 IMAGE3878214, mRNA, complete cds                                                                                                     | gb | BC015202.1 | BC015202 | 15929543 | uORF | MGC |
| Homo sapiens, HBV associated factor, clone MGC17759 IMAGE3877587, mRNA, complete cds                                                                                                             | gb | BC015219.1 | BC015219 | 15929589 | uORF | MGC |
| Homo sapiens zinc finger and BTB domain containing 8, mRNA (cDNA clone MGC17919 IMAGE3914043), complete cds                                                                                      | gb | BC015239.1 |          | 15929606 | uORF | MGC |
| Homo sapiens MAD2 mitotic arrest deficient-like 2 (yeast), mRNA (cDNA clone MGC17940 IMAGE3916742), complete cds                                                                                 | gb | BC015244.1 |          | 15929611 | uORF | MGC |
| Homo sapiens polybromo 1, mRNA (cDNA clone IMAGE4397664), complete cds                                                                                                                           | gb | BC015323.1 |          | 15929800 | uORF | MGC |
| Homo sapiens neuronal protein, mRNA (cDNA clone MGC21188 IMAGE4157360), complete cds                                                                                                             | gb | BC015329.1 |          | 15929817 | uORF | MGC |
| Homo sapiens queuine tRNA-ribosyltransferase 1 (tRNA-guanine transglycosylase), mRNA (cDNA clone MGC21401 IMAGE4153352), complete cds                                                            | gb | BC015350.1 |          | 15929858 | uORF | MGC |
| Homo sapiens NF-kappaB activating protein, mRNA (cDNA clone MGC21454 IMAGE3450847), complete cds                                                                                                 | gb | BC015354.1 |          | 15929863 | uORF | MGC |
| Homo sapiens, HIV-1 Tat interactive protein 2, 30 kDa, clone MGC21465 IMAGE3455757, mRNA, complete cds                                                                                           | gb | BC015358.1 | BC015358 | 15929873 | uORF | MGC |
| Homo sapiens hypothetical protein BC015395, mRNA (cDNA clone IMAGE4432090), complete cds                                                                                                         | gb | BC015395.1 |          | 15929943 | uORF | MGC |
| Homo sapiens collagen, type IX, alpha 1, mRNA (cDNA clone IMAGE4392252), complete cds                                                                                                            | gb | BC015409.1 |          | 15929965 | uORF | MGC |
| Homo sapiens ropporin, rhophilin associated protein 1, mRNA (cDNA clone MGC21964 IMAGE4394326), complete cds                                                                                     | gb | BC015413.1 |          | 15929970 | uORF | MGC |
| Homo sapiens MAM domain containing 2, mRNA (cDNA clone IMAGE4396073), complete cds                                                                                                               | gb | BC015417.2 |          | 34783011 | uORF | MGC |
| Homo sapiens zinc finger, DHHC domain containing 3, mRNA (cDNA clone MGC8765 IMAGE3852521), complete cds                                                                                         | gb | BC015467.1 |          | 15930045 | uORF | MGC |
| Homo sapiens, Similar to RIKEN cDNA 2310009017 gene, clone MGC8771 IMAGE3916462, mRNA, complete cds                                                                                              | gb | BC015468.1 | BC015468 | 15930047 | uORF | MGC |
| Homo sapiens PIN2-interacting protein 1, mRNA (cDNA clone MGC8850 IMAGE3914396), complete cds                                                                                                    | gb | BC015479.1 |          | 15930068 | uORF | MGC |
| Homo sapiens cDNA clone MGC9014 IMAGE3913870, complete cds                                                                                                                                       | gb | BC015497.1 |          | 15930110 | uORF | MGC |
| Homo sapiens, RNA helicase-related protein, clone MGC9119 IMAGE3905607, mRNA, complete cds                                                                                                       | gb | BC015505.1 | BC015505 | 15930130 | uORF | MGC |
| Homo sapiens tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor), mRNA (cDNA clone MGC9251 IMAGE3902987), complete cds                                                | gb | BC015514.1 |          | 15930155 | uORF | MGC |
| Homo sapiens ubiquitin carboxyl-terminal hydrolase L5, mRNA (cDNA clone MGC9314 IMAGE3912584), complete cds                                                                                      | gb | BC015521.1 |          | 15930174 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ12806, mRNA (cDNA clone MGC9516 IMAGE3903579), complete cds                                                                                                 | gb | BC015535.1 |          | 15930205 | uORF | MGC |
| Homo sapiens uridine-cytidine kinase 1, mRNA (cDNA clone MGC9668 IMAGE3845821), complete cds                                                                                                     | gb | BC015547.1 |          | 15930229 | uORF | MGC |
| Homo sapiens RAB3A interacting protein (rab3), mRNA (cDNA clone MGC9674 IMAGE3848338), complete cds                                                                                              | gb | BC015548.1 |          | 15930232 | uORF | MGC |
| Homo sapiens CD68 antigen, mRNA (cDNA clone MGC1567 IMAGE3050731), complete cds                                                                                                                  | gb | BC015557.2 |          | 33869408 | uORF | MGC |
| Homo sapiens hypothetical protein MGC2885, mRNA (cDNA clone IMAGE3955201), complete cds                                                                                                          | gb | BC015562.1 |          | 15990401 | uORF | MGC |
| Homo sapiens, Similar to SRp25 nuclear protein, clone MGC22989 IMAGE3609127, mRNA, complete cds                                                                                                  | gb | BC015569.1 | BC015569 | 15990415 | uORF | MGC |
| Homo sapiens, clone IMAGE4647871, mRNA                                                                                                                                                           | gb | BC015596.1 |          | 18182837 | uORF | MGC |
| Homo sapiens, clone MGC23412 IMAGE4653574, mRNA, complete cds                                                                                                                                    | gb | BC015600.1 | BC015600 | 15990448 | uORF | MGC |
| Homo sapiens, regulator of G-protein signalling 20, clone MGC22914 IMAGE4840464, mRNA, complete cds                                                                                              | gb | BC015614.1 | BC015614 | 15990464 | uORF | MGC |
| Homo sapiens par-6 partitioning defective 6 homolog alpha (C.elegans), mRNA (cDNA clone MGC22974 IMAGE4844008), complete cds                                                                     | gb | BC015626.2 |          | 33888270 | uORF | MGC |
| Homo sapiens, clone MGC22975 IMAGE3953121, mRNA, complete cds                                                                                                                                    | gb | BC015634.1 | BC015634 | 15990493 | uORF | MGC |
| Homo sapiens cDNA clone MGC22915 IMAGE4550430, complete cds                                                                                                                                      | gb | BC015665.2 |          | 33878763 | uORF | MGC |
| Homo sapiens kelch repeat and BTB (POZ) domain containing 9, mRNA (cDNA clone MGC22936 IMAGE4543235), complete cds                                                                               | gb | BC015667.2 |          | 33878747 | uORF | MGC |
| Homo sapiens, clone MGC23291 IMAGE4638241, mRNA, complete cds                                                                                                                                    | gb | BC015674.1 | BC015674 | 15990541 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ36180, mRNA (cDNA clone IMAGE4650977), complete cds                                                                                                         | gb | BC015684.2 |          | 33878782 | uORF | MGC |
| Homo sapiens makorin, ring finger protein, 2, mRNA (cDNA clone MGC16931 IMAGE3916199), complete cds                                                                                              | gb | BC015715.1 |          | 16041693 | uORF | MGC |
| Homo sapiens, clone MGC17998 IMAGE3922049, mRNA, complete cds                                                                                                                                    | gb | BC015725.1 | BC015725 | 16041701 | uORF | MGC |
| Homo sapiens histidine triad nucleotide binding protein 3, mRNA (cDNA clone MGC22976 IMAGE4875139), complete cds                                                                                 | gb | BC015732.1 |          | 16041712 | uORF | MGC |
| Homo sapiens zinc finger, FYVE domain containing 19, mRNA (cDNA clone MGC23002 IMAGE4876596), complete cds                                                                                       | gb | BC015738.1 |          | 18266912 | uORF | MGC |
| Homo sapiens polymerase (DNA directed), eta, mRNA (cDNA clone MGC23030 IMAGE4872554), complete cds                                                                                               | gb | BC015742.1 |          | 16041728 | uORF | MGC |
| Homo sapiens syntaxin binding protein 1, mRNA (cDNA clone MGC23061 IMAGE4868854), complete cds                                                                                                   | gb | BC015749.1 |          | 16041739 | uORF | MGC |
| Homo sapiens Ca2+-dependent activator protein for secretion, mRNA (cDNA clone IMAGE4862492), complete cds                                                                                        | gb | BC015754.1 |          | 16041747 | uORF | MGC |
| Homo sapiens caspase 7, apoptosis-related cysteine protease, transcript variant alpha, mRNA (cDNA clone MGC9176 IMAGE3921455), complete cds                                                      | gb | BC015799.1 |          | 16041818 | uORF | MGC |
| Homo sapiens RWD domain containing 1, mRNA (cDNA clone MGC9234 IMAGE3909348), complete cds                                                                                                       | gb | BC015802.1 |          | 16041823 | uORF | MGC |
| Homo sapiens, interferon regulatory factor 2, clone MGC9260 IMAGE3920890, mRNA, complete cds                                                                                                     | gb | BC015803.1 | BC015803 | 16041825 | uORF | MGC |
| Homo sapiens eukaryotic translation elongation factor 1 gamma, mRNA (cDNA clone MGC9621 IMAGE3911362), complete cds                                                                              | gb | BC015813.1 |          | 16041843 | uORF | MGC |
| Homo sapiens KIAA1799 protein, mRNA (cDNA clone MGC9635 IMAGE3915942), complete cds                                                                                                              | gb | BC015814.1 |          | 16041845 | uORF | MGC |

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| Homo sapiens lectin, galactoside-binding, soluble, 8 (galectin 8), transcript variant 1, mRNA (cDNA clone MGC13507 IMAGE4080313), complete cds                         | gb | BC015818.1 | 16198352 | uORF | MGC |
| Homo sapiens cDNA clone MGC27152 IMAGE4691630, complete cds                                                                                                            | gb | BC015833.1 | 16198374 | uORF | MGC |
| Homo sapiens eukaryotic translation initiation factor 4A, isoform 2, mRNA (cDNA clone MGC27241 IMAGE4337581), complete cds                                             | gb | BC015842.1 | 16198385 | uORF | MGC |
| Homo sapiens CGI-150 protein, mRNA (cDNA clone MGC27286 IMAGE4657199), complete cds                                                                                    | gb | BC015848.1 | 16198389 | uORF | MGC |
| Homo sapiens cadherin 19, type 2, mRNA (cDNA clone MGC27490 IMAGE4716394), complete cds                                                                                | gb | BC015877.1 | 16198417 | uORF | MGC |
| Homo sapiens N-acetyltransferase 2 (arylamine N-acetyltransferase), mRNA (cDNA clone MGC27492 IMAGE4716636), complete cds                                              | gb | BC015878.1 | 16198419 | uORF | MGC |
| Homo sapiens, clone MGC10192 IMAGE3909374, mRNA, complete cds                                                                                                          | gb | BC015883.1 | 16198428 | uORF | MGC |
| Homo sapiens chromosome 7 open reading frame 32, mRNA (cDNA clone MGC17890 IMAGE3908757), complete cds                                                                 | gb | BC015899.1 | 16198450 | uORF | MGC |
| Homo sapiens mitochondrial ribosomal protein L10, transcript variant 1, mRNA (cDNA clone MGC17973 IMAGE3919892), complete cds                                          | gb | BC015904.1 | 16198455 | uORF | MGC |
| Homo sapiens DKFZP564K2062 protein, mRNA (cDNA clone MGC20034 IMAGE4554816), complete cds                                                                              | gb | BC015912.1 | 16198462 | uORF | MGC |
| Homo sapiens interferon-induced protein 44-like, mRNA (cDNA clone MGC8927 IMAGE3909331), complete cds                                                                  | gb | BC015932.2 | 34189270 | uORF | MGC |
| Homo sapiens TIA1 cytotoxic granule-associated RNA binding protein, mRNA (cDNA clone MGC9449 IMAGE3909177), complete cds                                               | gb | BC015944.1 | 16198524 | uORF | MGC |
| Homo sapiens hypothetical protein MGC27169, mRNA (cDNA clone MGC27169 IMAGE4614435), complete cds                                                                      | gb | BC015993.1 | 16359052 | uORF | MGC |
| Homo sapiens Usher syndrome 1C (autosomal recessive, severe), mRNA (cDNA clone MGC23100 IMAGE4867369), complete cds                                                    | gb | BC016057.1 | 16359184 | uORF | MGC |
| Homo sapiens integral membrane protein 2B, mRNA (cDNA clone MGC10219 IMAGE3912066), complete cds                                                                       | gb | BC016148.1 | 16740549 | uORF | MGC |
| Homo sapiens, KIAA0008 gene product, clone MGC768 IMAGE3537754, mRNA, complete cds                                                                                     | gb | BC016276.1 | 16740823 | uORF | MGC |
| Homo sapiens, clone MGC9625 IMAGE3912165, mRNA, complete cds                                                                                                           | gb | BC016295.1 | 16740866 | uORF | MGC |
| Homo sapiens chemokine (C-X-C motif) ligand 3, mRNA (cDNA clone MGC22505 IMAGE4070963), complete cds                                                                   | gb | BC016308.1 | 16740894 | uORF | MGC |
| Homo sapiens chromosome 15 open reading frame 15, mRNA (cDNA clone MGC22728 IMAGE4096867), complete cds                                                                | gb | BC016312.1 | 16740901 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ20130, mRNA (cDNA clone MGC23732 IMAGE4102213), complete cds                                                                      | gb | BC016327.1 | 16740939 | uORF | MGC |
| Homo sapiens RAD51-interacting protein, mRNA (cDNA clone MGC23756 IMAGE4107592), complete cds                                                                          | gb | BC016330.1 | 16740947 | uORF | MGC |
| Homo sapiens EF hand calcium binding protein 1, mRNA (cDNA clone IMAGE3829100), complete cds                                                                           | gb | BC016340.1 | 16740972 | uORF | MGC |
| Homo sapiens interferon stimulated gene 20kDa, mRNA (cDNA clone IMAGE3930220), complete cds                                                                            | gb | BC016341.1 | 16740975 | uORF | MGC |
| Homo sapiens CGI-100 protein, mRNA (cDNA clone MGC24580 IMAGE4133205), complete cds                                                                                    | gb | BC016365.1 | 16741028 | uORF | MGC |
| Homo sapiens cDNA clone MGC27376 IMAGE4688477, complete cds                                                                                                            | gb | BC016380.1 | 16741060 | uORF | MGC |
| Homo sapiens cDNA clone MGC27378 IMAGE4688865, complete cds                                                                                                            | gb | BC016381.1 | 16741063 | uORF | MGC |
| Homo sapiens chromosome 2 open reading frame 18, mRNA (cDNA clone IMAGE3860139), complete cds                                                                          | gb | BC016389.1 | 16741073 | uORF | MGC |
| Homo sapiens hepatocellularcarcinoma-associated antigen HCA557a, mRNA (cDNA clone MGC16818 IMAGE3882414), complete cds                                                 | gb | BC016395.1 | 16741081 | uORF | MGC |
| Homo sapiens nuclear prelamin A recognition factor, mRNA (cDNA clone MGC17011 IMAGE3447710), complete cds                                                              | gb | BC016440.1 | 16741188 | uORF | MGC |
| Homo sapiens chromosome 1 open reading frame 22, mRNA clone IMAGE4152945), complete cds                                                                                | gb | BC016464.1 | 16741250 | uORF | MGC |
| Homo sapiens essential meiotic endonuclease 1 homolog 1 (S. pombe), mRNA (cDNA clone MGC9497 IMAGE2899969), complete cds                                               | gb | BC016470.2 | 34783849 | uORF | MGC |
| Homo sapiens, clone MGC17047 IMAGE3923327, mRNA, complete cds                                                                                                          | gb | BC016486.1 | 16741303 | uORF | MGC |
| Homo sapiens polypyrimidine tract binding protein 2, mRNA (cDNA clone MGC9393 IMAGE3872881), complete cds                                                              | gb | BC016582.1 | 16741545 | uORF | MGC |
| Homo sapiens cytidine monophosphate N-acetylneuraminic acid synthetase, mRNA (cDNA clone MGC5424 IMAGE3448277), complete cds                                           | gb | BC016609.1 | 16741604 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ11305, mRNA (cDNA clone MGC8832 IMAGE3869275), complete cds                                                                       | gb | BC016614.1 | 16741617 | uORF | MGC |
| Homo sapiens RAB37, member of RAS oncogene family, mRNA (cDNA clone MGC21391 IMAGE4520191), complete cds                                                               | gb | BC016615.1 | 16741620 | uORF | MGC |
| Homo sapiens glutaminyl-tRNA synthetase, mRNA (cDNA clone MGC18044 IMAGE3925061), complete cds                                                                         | gb | BC016634.1 | 16741668 | uORF | MGC |
| Homo sapiens, Similar to synovial sarcoma, X breakpoint 5, clone MGC9494 IMAGE3923927, mRNA, complete cds                                                              | gb | BC016640.1 | 16741684 | uORF | MGC |
| Homo sapiens phosphoserine aminotransferase 1, transcript variant 1, mRNA (cDNA clone MGC17286 IMAGE4342332), complete cds                                             | gb | BC016645.2 | 34784990 | uORF | MGC |
| Homo sapiens, BMX non-receptor tyrosine kinase, clone MGC9071 IMAGE3919253, mRNA, complete cds                                                                         | gb | BC016652.1 | 16741711 | N/A  | MGC |
| Homo sapiens cDNA clone MGC21889 IMAGE4345550, complete cds                                                                                                            | gb | BC016673.1 | 19118218 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ20581, mRNA (cDNA clone IMAGE4069865), complete cds                                                                               | gb | BC016703.1 | 16876838 | uORF | MGC |
| Homo sapiens ferritin, light polypeptide, mRNA (cDNA clone MGC24401 IMAGE4067055), complete cds                                                                        | gb | BC016715.1 | 16876868 | uORF | MGC |
| Homo sapiens, clone MGC26380 IMAGE4830425, mRNA, complete cds                                                                                                          | gb | BC016743.1 | 16876926 | uORF | MGC |
| Homo sapiens capping protein (actin filament) muscle Z-line, alpha 3, mRNA (cDNA clone MGC26617 IMAGE4839348), complete cds                                            | gb | BC016745.2 | 34190898 | uORF | MGC |
| Homo sapiens karyopherin alpha 4 (importin alpha 3), mRNA (cDNA clone IMAGE4042597), complete cds                                                                      | gb | BC016754.1 | 16876957 | uORF | MGC |
| Homo sapiens H factor (complement)-like 1, mRNA (cDNA clone MGC13525 IMAGE3934474), complete cds                                                                       | gb | BC016755.1 | 16876960 | uORF | MGC |
| Homo sapiens ribulose-5-phosphate-3-epimerase, transcript variant 1, mRNA (cDNA clone MGC22637 IMAGE4107315), complete cds                                             | gb | BC016764.1 | 16876981 | uORF | MGC |
| Homo sapiens nucleophosmin (nucleolar phosphoprotein B23, numatrin), mRNA (cDNA clone MGC22724 IMAGE4081364), complete cds                                             | gb | BC016768.1 | 16876991 | uORF | MGC |
| Homo sapiens HIV-1 rev binding protein 2, mRNA (cDNA clone MGC23749 IMAGE4106298), complete cds                                                                        | gb | BC016778.1 | 16877010 | uORF | MGC |
| Homo sapiens BXMAS2-10, mRNA (cDNA clone MGC24011 IMAGE4091916), complete cds                                                                                          | gb | BC016789.1 | 16877031 | uORF | MGC |
| Homo sapiens KIAA1143 protein, mRNA (cDNA clone MGC24015 IMAGE4102473), complete cds                                                                                   | gb | BC016790.1 | 16877033 | uORF | MGC |
| Homo sapiens chromosome 19 open reading frame 13, mRNA (cDNA clone MGC10135 IMAGE3902704), complete cds                                                                | gb | BC016842.1 | 16877143 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ36766, mRNA (cDNA clone MGC10240 IMAGE3913592), complete cds                                                                      | gb | BC016848.1 | 16877159 | uORF | MGC |
| Homo sapiens cytochrome P450, family 4, subfamily F, polypeptide 11, mRNA (cDNA clone MGC16892 IMAGE3846027), complete cds                                             | gb | BC016853.1 | 16877171 | uORF | MGC |
| Homo sapiens, clone MGC16960 IMAGE3856546, mRNA, complete cds                                                                                                          | gb | BC016854.1 | 16877174 | uORF | MGC |
| Homo sapiens ferritin, heavy polypeptide 1, mRNA (cDNA clone MGC17216 IMAGE3848510), complete cds                                                                      | gb | BC016857.1 | 16877183 | uORF | MGC |
| Homo sapiens chromosome 6 open reading frame 113, mRNA (cDNA clone MGC17908 IMAGE3912507), complete cds                                                                | gb | BC016879.1 | 16877230 | uORF | MGC |
| Homo sapiens RecQ protein-like 5, mRNA (cDNA clone IMAGE4400446), complete cds                                                                                         | gb | BC016911.1 | 16877307 | uORF | MGC |
| Homo sapiens zinc finger, CCHC domain containing 4, mRNA (cDNA clone MGC21108 IMAGE4423672), complete cds                                                              | gb | BC016914.1 | 16877314 | uORF | MGC |
| Homo sapiens tolloid-like 1, mRNA (cDNA clone IMAGE4428491), complete cds                                                                                              | gb | BC016922.2 | 34190791 | uORF | MGC |
| Homo sapiens MHC class I polypeptide-related sequence A, mRNA (cDNA clone MGC21250 IMAGE4446575), complete cds                                                         | gb | BC016929.1 | 16877352 | uORF | MGC |
| Homo sapiens superoxide dismutase 2, mitochondrial, mRNA (cDNA clone MGC21350 IMAGE4184203), complete cds                                                              | gb | BC016934.1 | 16877366 | uORF | MGC |
| Homo sapiens, S-adenosylhomocysteine hydrolase-like 1, clone MGC21453 IMAGE3450568, mRNA, complete cds                                                                 | gb | BC016942.1 | 16877386 | uORF | MGC |
| Homo sapiens G protein-coupled receptor MrgF, mRNA (cDNA clone MGC21621 IMAGE4181577), complete cds                                                                    | gb | BC016964.1 | 16877434 | uORF | MGC |
| Homo sapiens C18B11 homolog (44.9kD), mRNA (cDNA clone MGC21638 IMAGE4420027), complete cds                                                                            | gb | BC016967.1 | 23271507 | uORF | MGC |
| Homo sapiens EF hand calcium binding protein 2, mRNA (cDNA clone MGC21802 IMAGE4181575), complete cds                                                                  | gb | BC016979.1 | 16877464 | uORF | MGC |
| Homo sapiens KIAA1327 protein, mRNA (cDNA clone MGC21978 IMAGE4395670), complete cds                                                                                   | gb | BC016987.1 | 16877477 | uORF | MGC |
| Homo sapiens, clone MGC22015 IMAGE4400881, mRNA, complete cds                                                                                                          | gb | BC016992.1 | 16877486 | uORF | MGC |
| Homo sapiens dedicator of cytokinesis 2, mRNA (cDNA clone IMAGE4413481), complete cds                                                                                  | gb | BC016996.1 | 16877490 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE3914688, partial cds                                                                                                                      | gb | BC017012.1 | 16877512 | uORF | MGC |
| Homo sapiens single-stranded DNA binding protein 2, mRNA (cDNA clone MGC8958 IMAGE3913337), complete cds                                                               | gb | BC017020.1 | 16877530 | uORF | MGC |
| Homo sapiens cDNA clone MGC9028 IMAGE3900998, complete cds                                                                                                             | gb | BC017025.1 | 16877545 | uORF | MGC |
| Homo sapiens annexin A6, transcript variant 1, mRNA (cDNA clone MGC9227 IMAGE3912460), complete cds                                                                    | gb | BC017046.1 | 16877588 | uORF | MGC |
| Homo sapiens methylene tetrahydrofolate dehydrogenase (NAD+ dependent), methylenetetrahydrofolate cyclohydrolase, mRNA (cDNA clone MGC9350 IMAGE3846710), complete cds | gb | BC017054.1 | 16877608 | uORF | MGC |
| Homo sapiens seven transmembrane domain orphan receptor, mRNA (cDNA clone MGC9442 IMAGE3904719), complete cds                                                          | gb | BC017058.1 | 16877618 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ23186, mRNA (cDNA clone MGC9585 IMAGE3885219), complete cds                                                                       | gb | BC017064.1 | 16877634 | uORF | MGC |
| Homo sapiens, Similar to KIAA0643 protein, clone MGC9638 IMAGE3916900, mRNA, complete cds                                                                              | gb | BC017070.1 | 16877652 | uORF | MGC |
| Homo sapiens K+ channel tetramerization protein, mRNA (cDNA clone IMAGE3845805), complete cds                                                                          | gb | BC017072.1 | 16877655 | uORF | MGC |
| Homo sapiens SET and MYND domain containing 3, mRNA (cDNA clone MGC9692 IMAGE3840880), complete cds                                                                    | gb | BC017079.1 | 16877673 | uORF | MGC |
| Homo sapiens tumor differentially expressed 2-like, mRNA (cDNA clone IMAGE3850147), complete cds                                                                       | gb | BC017085.1 | 16877687 | uORF | MGC |
| Homo sapiens poly(C) binding protein 4, mRNA (cDNA clone MGC14975 IMAGE3508303), complete cds                                                                          | gb | BC017098.1 | 16877719 | uORF | MGC |
| Homo sapiens POM (POM121 homolog, rat) and ZP3 fusion, transcript variant 1, mRNA (cDNA clone MGC15195 IMAGE3530152), complete cds                                     | gb | BC017101.1 | 16877728 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ22833, mRNA (cDNA clone MGC16789 IMAGE3907483), complete cds                                                                      | gb | BC017114.1 | 16877753 | uORF | MGC |
| Homo sapiens polymerase (RNA) I polypeptide A, 194kDa, mRNA (cDNA clone IMAGE3919743), complete cds                                                                    | gb | BC017115.1 | 16877756 | uORF | MGC |
| Homo sapiens cAMP responsive element modulator, transcript variant 2, mRNA (cDNA clone IMAGE3907190), complete cds                                                     | gb | BC017117.1 | 16877761 | uORF | MGC |
| Homo sapiens CGI-74 protein, mRNA (cDNA clone MGC8819 IMAGE3920377), complete cds                                                                                      | gb | BC017163.1 | 16877868 | uORF | MGC |
| Homo sapiens hypothetical protein PR01855, mRNA (cDNA clone MGC9517 IMAGE3907072), complete cds                                                                        | gb | BC017168.1 | 16877877 | uORF | MGC |
| Homo sapiens staphylococcal nuclease domain containing 1, mRNA (cDNA clone MGC790 IMAGE3345037), complete cds                                                          | gb | BC017180.2 | 33869217 | uORF | MGC |
| Homo sapiens PHD finger protein 11, mRNA (cDNA clone MGC10254 IMAGE4054134), complete cds                                                                              | gb | BC017212.2 | 33880652 | uORF | MGC |
| Homo sapiens, clone MGC14088 IMAGE3948368, mRNA, complete cds                                                                                                          | gb | BC017227.1 | 16878028 | uORF | MGC |
| Homo sapiens, casein kinase 1, gamma 1, clone MGC19461 IMAGE4123494, mRNA, complete cds                                                                                | gb | BC017236.1 | 16878051 | uORF | MGC |
| Homo sapiens, Similar to syntaxin 10, clone MGC19625 IMAGE4125873, mRNA, complete cds                                                                                  | gb | BC017237.1 | 16878054 | uORF | MGC |
| Homo sapiens, enolase 3, (beta, muscle), clone MGC29581 IMAGE4902149, mRNA, complete cds                                                                               | gb | BC017249.1 | 16878082 | uORF | MGC |
| Homo sapiens, clone MGC29540 IMAGE4127147, mRNA, complete cds                                                                                                          | gb | BC017262.1 | 16878108 | uORF | MGC |
| Homo sapiens chromosome 10 open reading frame 47, mRNA (cDNA clone MGC29779 IMAGE4588686), complete cds                                                                | gb | BC017269.2 | 33878919 | uORF | MGC |
| Homo sapiens sestrin 3, mRNA (cDNA clone MGC29667 IMAGE5016567), complete cds                                                                                          | gb | BC017296.2 | 33878114 | uORF | MGC |
| Homo sapiens, Similar to gene overexpressed in astrocytoma, clone MGC29809 IMAGE5017710, mRNA, complete cds                                                            | gb | BC017299.1 | 16878186 | uORF | MGC |
| Homo sapiens v-ets erythroblastosis virus E26 oncogene homolog 1 (avian), mRNA (cDNA clone MGC29755 IMAGE3946751), complete cds                                        | gb | BC017314.2 | 33878994 | uORF | MGC |
| Homo sapiens, Similar to hypothetical protein FLJ23469, clone MGC29451 IMAGE4893552, mRNA, complete cds                                                                | gb | BC017344.1 | 16878297 | uORF | MGC |
| Homo sapiens, clone MGC29484 IMAGE5014808, mRNA, complete cds                                                                                                          | gb | BC017347.1 | 16878300 | uORF | MGC |
| Homo sapiens, clone MGC29709 IMAGE5020312, mRNA, complete cds                                                                                                          | gb | BC017355.1 | 16878322 | uORF | MGC |
| Homo sapiens hypothetical protein BC001610, mRNA (cDNA clone MGC29628 IMAGE5094445), complete cds                                                                      | gb | BC017357.1 | 16878328 | uORF | MGC |
| Homo sapiens ELK3, ETS-domain protein (SRF accessory protein 2), mRNA (cDNA clone MGC13551 IMAGE4287696), complete cds                                                 | gb | BC017371.1 | 16924203 | uORF | MGC |
| Homo sapiens ring finger protein 31, mRNA (cDNA clone MGC14867 IMAGE3835973), complete cds                                                                             | gb | BC017376.2 | 33872021 | uORF | MGC |
| Homo sapiens zinc finger protein 266, mRNA (cDNA clone IMAGE4306854), complete cds                                                                                     | gb | BC017407.1 | 16924262 | uORF | MGC |
| Homo sapiens mesoderm induction early response 1, mRNA (cDNA clone IMAGE4692746), complete cds                                                                         | gb | BC017423.1 | 16924283 | uORF | MGC |
| Homo sapiens cDNA clone MGC13035 IMAGE3613409, complete cds                                                                                                            | gb | BC017440.1 | 19116194 | uORF | MGC |
| Homo sapiens cDNA clone MGC23250 IMAGE4864393, complete cds                                                                                                            | gb | BC017504.1 | 17028384 | uORF | MGC |
| Homo sapiens chromosome 9 open reading frame 78, mRNA (cDNA clone MGC23765 IMAGE4109447), complete cds                                                                 | gb | BC017570.1 | 17068384 | uORF | MGC |
| Homo sapiens poliovirus receptor-related 3, mRNA (cDNA clone IMAGE4066485), complete cds                                                                               | gb | BC017572.1 | 17068390 | uORF | MGC |
| Homo sapiens chromosome 6 open reading frame 48, mRNA (cDNA clone MGC14608 IMAGE4049404), complete cds                                                                 | gb | BC017660.1 | 17389200 | uORF | MGC |
| Homo sapiens, mitogen-activated protein kinase kinase kinase 7, clone MGC21263 IMAGE3906837, mRNA, complete cds                                                        | gb | BC017715.1 | 17389342 | N/A  | MGC |
| Homo sapiens secreted and transmembrane 1, mRNA (cDNA clone MGC21265 IMAGE4413387), complete cds                                                                       | gb | BC017716.1 | 17389345 | uORF | MGC |
| Homo sapiens deiodinase, iodothyronine, type III, mRNA (cDNA clone MGC21279 IMAGE4395664), complete cds                                                                | gb | BC017717.1 | 17389348 | uORF | MGC |
| Homo sapiens FBP1 like 1 (S. cerevisiae), mRNA (cDNA clone MGC21370 IMAGE3452247), complete cds                                                                        | gb | BC017724.1 | 17389362 | uORF | MGC |
| Homo sapiens glycosyltransferase-like 1, mRNA (cDNA clone MGC21948 IMAGE4390876), complete cds                                                                         | gb | BC017741.2 | 34190920 | uORF | MGC |
| Homo sapiens HSPB (heat shock 27kDa) associated protein 1, mRNA (cDNA clone IMAGE4274089), complete cds                                                                | gb | BC017763.1 | 17389436 | uORF | MGC |
| Homo sapiens leucine-rich repeat transmembrane neuronal 4 protein, mRNA (cDNA clone IMAGE4283863), complete cds                                                        | gb | BC017769.1 | 17389448 | uORF | MGC |
| Homo sapiens pleckstrin homology, Sec7 and coiled-coil domains 4, mRNA (cDNA clone IMAGE4691010), complete cds                                                         | gb | BC017780.1 | 17389476 | uORF | MGC |
| Homo sapiens endomucin, mRNA (cDNA clone MGC22268 IMAGE4689608), complete cds                                                                                          | gb | BC017781.1 | 17389478 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ20130, mRNA (cDNA clone IMAGE4673826), complete cds                                                                               | gb | BC017799.1 | 17389527 | uORF | MGC |
| Homo sapiens immunoglobulin superfamily, member 6, mRNA (cDNA clone MGC22530 IMAGE4616809), complete cds                                                               | gb | BC017844.1 | 17389636 | uORF | MGC |
| Homo sapiens glycoporphin E, transcript variant 2, mRNA (cDNA clone MGC22629 IMAGE4686481), complete cds                                                               | gb | BC017864.1 | 17389684 | uORF | MGC |
| Homo sapiens Fc fragment of IgG, low affinity IIIa, receptor for (CD16), mRNA (cDNA clone MGC22630 IMAGE4690249), complete cds                                         | gb | BC017865.1 | 17389687 | uORF | MGC |

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| Homo sapiens hypothetical protein LOC348235, mRNA (cDNA clone MGC22673 IMAGE4685972), complete cds                                                                 | gb | BC017873.1 | 17389708 | uORF | MGC |
| Homo sapiens iron-responsive element binding protein 2, mRNA (cDNA clone IMAGE4277855), complete cds                                                               | gb | BC017880.1 | 17389723 | uORF | MGC |
| Homo sapiens eukaryotic translation initiation factor 3, subunit 6 48kDa, mRNA (cDNA clone MGC22770 IMAGE4685684), complete cds                                    | gb | BC017887.1 | 17389738 | uORF | MGC |
| Homo sapiens phospholipid scramblase 1, mRNA (cDNA clone IMAGE4253596), complete cds                                                                               | gb | BC017901.1 | 17389774 | uORF | MGC |
| Homo sapiens triosephosphate isomerase 1, mRNA (cDNA clone MGC23862 IMAGE4296431), complete cds                                                                    | gb | BC017917.1 | 17389814 | uORF | MGC |
| Homo sapiens chromosome 9 open reading frame 19, mRNA (cDNA clone MGC23864 IMAGE4296721), complete cds                                                             | gb | BC017918.1 | 17389817 | uORF | MGC |
| Homo sapiens neurochromatin type 2 (juvenile), mRNA (cDNA clone MGC23953 IMAGE4292862), complete cds                                                               | gb | BC017926.1 | 17389833 | uORF | MGC |
| Homo sapiens guanidoacetate N-methyltransferase, transcript variant 1, mRNA (cDNA clone MGC24023 IMAGE4246521), complete cds                                       | gb | BC017936.1 | 17389853 | uORF | MGC |
| Homo sapiens mRNA similar to RIKEN cDNA 2510006C20 gene (cDNA clone MGC24036 IMAGE4282697), complete cds                                                           | gb | BC017941.1 | 17389861 | uORF | MGC |
| Homo sapiens protein phosphatase 1 regulatory subunit 1A, mRNA (cDNA clone MGC24041 IMAGE4288919), complete cds                                                    | gb | BC017943.1 | 17389866 | uORF | MGC |
| Homo sapiens phospholipase A2, group IVC (cytosolic, calcium-independent), mRNA (cDNA clone IMAGE4607096), complete cds                                            | gb | BC017956.1 | 17389891 | uORF | MGC |
| Homo sapiens BH3-only member B protein, mRNA (cDNA clone IMAGE4607145), complete cds                                                                               | gb | BC017957.1 | 17389894 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ122555, mRNA (cDNA clone MGC24081 IMAGE4607945), complete cds                                                                 | gb | BC017959.1 | 17389899 | uORF | MGC |
| Homo sapiens solute carrier family 16 (monocarboxylic acid transporters), member 10, mRNA (cDNA clone IMAGE4666353), complete cds                                  | gb | BC017968.1 | 17389921 | uORF | MGC |
| Homo sapiens viperin, mRNA (cDNA clone MGC24122 IMAGE4669203), complete cds                                                                                        | gb | BC017969.1 | 17389924 | uORF | MGC |
| Homo sapiens mRNA similar to RIKEN cDNA 2700038C09 gene (cDNA clone MGC24600 IMAGE4245342), complete cds                                                           | gb | BC017981.1 | 17389945 | uORF | MGC |
| Homo sapiens x 009 protein, mRNA (cDNA clone IMAGE45817277), complete cds                                                                                          | gb | BC018028.1 | 17390004 | uORF | MGC |
| Homo sapiens WNT inhibitory factor 1, mRNA (cDNA clone MGC26240 IMAGE4801033), complete cds                                                                        | gb | BC018037.1 | 17390066 | uORF | MGC |
| Homo sapiens profilin 2, transcript variant 1, mRNA (cDNA clone MGC26377 IMAGE4796198), complete cds                                                               | gb | BC018049.1 | 17390097 | uORF | MGC |
| Homo sapiens potassium channel tetramerization domain containing 4, mRNA (cDNA clone MGC26571 IMAGE4814899), complete cds                                          | gb | BC018063.1 | 17390131 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ120508, mRNA (cDNA clone MGC8853 IMAGE3914920), complete cds                                                                  | gb | BC018109.1 | 17390238 | uORF | MGC |
| Homo sapiens pim-2 oncogene, mRNA (cDNA clone MGC8925 IMAGE3913552), complete cds                                                                                  | gb | BC018111.1 | 17390244 | N/A  | MGC |
| Homo sapiens pim-2 oncogene, mRNA (cDNA clone MGC8925 IMAGE3913552), complete cds                                                                                  | gb | BC018111.1 | 17390244 | uORF | MGC |
| Homo sapiens thioredoxin reductase 1, transcript variant 5, mRNA (cDNA clone MGC9145 IMAGE3883490), complete cds                                                   | gb | BC018122.1 | 17390271 | uORF | MGC |
| Homo sapiens, clone MGC8349 IMAGE3846611, mRNA, complete cds                                                                                                       | gb | BC018137.1 | 17390305 | uORF | MGC |
| Homo sapiens ribosomal protein S21, mRNA (cDNA clone MGC9438 IMAGE3903320), complete cds                                                                           | gb | BC018140.1 | 17390309 | uORF | MGC |
| Homo sapiens caspase recruitment domain family, member 14, mRNA (cDNA clone MGC9539 IMAGE3847282), complete cds                                                    | gb | BC018142.1 | 17390314 | uORF | MGC |
| Homo sapiens cDNA clone MGC8772 IMAGE3862861, complete cds                                                                                                         | gb | BC018206.1 | 17390461 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ120244, mRNA (cDNA clone MGC17561 IMAGE3463518), complete cds                                                                 | gb | BC018302.1 | 17390713 | uORF | MGC |
| Homo sapiens zinc finger protein, subfamily 1A, 1 (Bkaros), mRNA (cDNA clone MGC17055 IMAGE4338834), complete cds                                                  | gb | BC018349.1 | 17390814 | uORF | MGC |
| Homo sapiens methionine adenosyltransferase I, alpha, mRNA (cDNA clone MGC17089 IMAGE4341915), complete cds                                                        | gb | BC018359.1 | 17390836 | uORF | MGC |
| Homo sapiens fibroblast growth factor 21, mRNA (cDNA clone MGC21502 IMAGE3881069), complete cds                                                                    | gb | BC018404.1 | 22450793 | uORF | MGC |
| Homo sapiens up-regulated gene 4, mRNA (cDNA clone MGC16942 IMAGE4213413), complete cds                                                                            | gb | BC018426.1 | 17391007 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ36666, mRNA (cDNA clone MGC21577 IMAGE4471390), complete cds                                                                  | gb | BC018441.1 | 17391043 | uORF | MGC |
| Homo sapiens lactation elevated 1, mRNA (cDNA clone MGC8915 IMAGE3871205), complete cds                                                                            | gb | BC018445.1 | 17391051 | uORF | MGC |
| Homo sapiens methylthioadenosine phosphorylase, mRNA (cDNA clone MGC31876 IMAGE3030148), complete cds                                                              | gb | BC018625.1 | 17391371 | uORF | MGC |
| Homo sapiens, Similar to KIAA0471 gene product, clone MGC32006 IMAGE4308560, mRNA, complete cds                                                                    | gb | BC018630.1 | 17391381 | uORF | MGC |
| Homo sapiens ankyrin repeat domain 1 (cardiac muscle), mRNA (cDNA clone MGC27140 IMAGE4245591), complete cds                                                       | gb | BC018667.1 | 17391466 | uORF | MGC |
| Homo sapiens alveolar soft part sarcoma chromosome region, candidate 1, mRNA (cDNA clone MGC31811 IMAGE4640076), complete cds                                      | gb | BC018722.1 | 17511731 | uORF | MGC |
| Homo sapiens eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa, mRNA (cDNA clone MGC31831 IMAGE4849789), complete cds                            | gb | BC018728.1 | 17511745 | uORF | MGC |
| Homo sapiens cytochrome b5 reductase 1 (B5R1), mRNA (cDNA clone MGC31847 IMAGE4638088), complete cds                                                               | gb | BC018732.1 | 17511758 | uORF | MGC |
| Homo sapiens DNA polymerase-transactivated protein 6, mRNA (cDNA clone MGC31863 IMAGE4845423), complete cds                                                        | gb | BC018736.1 | 17511767 | uORF | MGC |
| Homo sapiens cDNA clone MGC31942 IMAGE4854511, complete cds                                                                                                        | gb | BC018749.1 | 17511797 | uORF | MGC |
| Homo sapiens monooxygenase, DBH-like 1, mRNA (cDNA clone MGC31962 IMAGE4841330), complete cds                                                                      | gb | BC018756.1 | 17511809 | uORF | MGC |
| Homo sapiens 5,10-methylenetetrahydrofolate reductase (NADPH), mRNA (cDNA clone IMAGE4299889), complete cds                                                        | gb | BC018766.1 | 19387974 | uORF | MGC |
| Homo sapiens hypothetical protein PP1665, mRNA (cDNA clone MGC32046 IMAGE4845520), complete cds                                                                    | gb | BC018771.1 | 19387976 | uORF | MGC |
| Homo sapiens natural killer cell transcript 4, mRNA (cDNA clone MGC32101 IMAGE4873608), complete cds                                                               | gb | BC018782.1 | 17511867 | uORF | MGC |
| Homo sapiens splicing factor, arginine/serine-rich 5, mRNA (cDNA clone MGC1236 IMAGE3346982), complete cds                                                         | gb | BC018823.2 | 33869323 | uORF | MGC |
| Homo sapiens, clone MGC2976 IMAGE3140635, mRNA, complete cds                                                                                                       | gb | BC018847.1 | 17511893 | uORF | MGC |
| Homo sapiens FERM domain containing 4, mRNA (cDNA clone IMAGE3954440), partial cds                                                                                 | gb | BC018891.2 | 33871020 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ20699, mRNA (cDNA clone MGC12803 IMAGE4130906), complete cds                                                                  | gb | BC018918.2 | 39644934 | uORF | MGC |
| Homo sapiens SEC24 related gene family, member C (S. cerevisiae), mRNA (cDNA clone MGC14092 IMAGE4123623), complete cds                                            | gb | BC018928.1 | 17511943 | uORF | MGC |
| Homo sapiens, Similar to T-cell death associated gene, clone MGC14398 IMAGE4301251, mRNA, complete cds                                                             | gb | BC018929.1 | 17511946 | uORF | MGC |
| Homo sapiens, hypothetical protein FLJ13511, mRNA (cDNA clone MGC14312 IMAGE4139438, mRNA, complete cds                                                            | gb | BC018942.1 | 17511967 | uORF | MGC |
| Homo sapiens, SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 2, clone MGC15210 IMAGE4303183, mRNA, complete cds   | gb | BC018953.1 | 17511984 | uORF | MGC |
| Homo sapiens hypothetical protein MGC20579, mRNA (cDNA clone MGC20579 IMAGE4300679), complete cds                                                                  | gb | BC018995.2 | 33873921 | uORF | MGC |
| Homo sapiens homolog of Drosophila Intersex, mRNA (cDNA clone MGC20644 IMAGE4129619), complete cds                                                                 | gb | BC019015.2 | 33988452 | uORF | MGC |
| Homo sapiens, clone MGC20785 IMAGE4635165, mRNA, complete cds                                                                                                      | gb | BC019045.1 | 17512132 | uORF | MGC |
| Homo sapiens, Similar to hypothetical protein FLJ14743, clone MGC29781 IMAGE4590587, mRNA, complete cds                                                            | gb | BC019064.1 | 17512155 | uORF | MGC |
| Homo sapiens likely ortholog of mouse porcupine homolog (Drosophila), mRNA (cDNA clone MGC29687 IMAGE4559533), complete cds                                        | gb | BC019080.2 | 33875549 | uORF | MGC |
| Homo sapiens, Similar to RIKEN cDNA 1200017A24 gene, clone MGC29712 IMAGE5021899, mRNA, complete cds                                                               | gb | BC019102.1 | 17512244 | uORF | MGC |
| Homo sapiens, clone MGC29817 IMAGE5095103, mRNA, complete cds                                                                                                      | gb | BC019107.1 | 17512259 | uORF | MGC |
| Homo sapiens mRNA similar to RIKEN cDNA 2510006C20 gene (cDNA clone MGC24001 IMAGE4050858), complete cds                                                           | gb | BC019239.1 | 17512584 | uORF | MGC |
| Homo sapiens sperm associated antigen 8, transcript variant 2, mRNA (cDNA clone MGC26201 IMAGE4825175), complete cds                                               | gb | BC019247.1 | 17512594 | uORF | MGC |
| Homo sapiens HMT1 hnRNP methyltransferase-like 2 (S. cerevisiae), mRNA (cDNA clone IMAGE2823702), partial cds                                                      | gb | BC019268.1 | 17939448 | uORF | MGC |
| Homo sapiens 1-aclylglycerol-3-phosphate O-acetyltransferase 2 (lysophosphatidic acid acyltransferase, beta), mRNA (cDNA clone MGC4058 IMAGE2823580), complete cds | gb | BC019292.1 | 17939647 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ12525, mRNA (cDNA clone MGC4197 IMAGE2822893), complete cds                                                                   | gb | BC019302.1 | 17939649 | uORF | MGC |
| Homo sapiens immunoglobulin heavy constant gamma 1 (G1m marker), mRNA (cDNA clone MGC12853 IMAGE4054679), complete cds                                             | gb | BC019337.1 | 17939657 | uORF | MGC |
| Homo sapiens tetraspanin 18, mRNA (cDNA clone MGC12987 IMAGE3357734), complete cds                                                                                 | gb | BC019342.2 | 34784776 | uORF | MGC |
| Homo sapiens twenty homolog 1 (Drosophila), mRNA (cDNA clone MGC13230 IMAGE3960435), complete cds                                                                  | gb | BC019358.1 | 17939661 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ13842, mRNA (cDNA clone MGC24845 IMAGE4934088), complete cds                                                                  | gb | BC019598.1 | 18043094 | uORF | MGC |
| Homo sapiens chromosome 20 open reading frame 161, transcript variant 2, mRNA (cDNA clone MGC29895 IMAGE4453502), complete cds                                     | gb | BC019823.1 | 18043708 | uORF | MGC |
| Homo sapiens UDP glycosyltransferase 1 family, polypeptide A6, mRNA (cDNA clone MGC29860 IMAGE4454322), complete cds                                               | gb | BC019861.1 | 18043700 | uORF | MGC |
| Homo sapiens lectin-like NK cell receptor, mRNA (cDNA clone MGC30031 IMAGE4524891), complete cds                                                                   | gb | BC019883.1 | 18044357 | uORF | MGC |
| Homo sapiens hypothetical protein DKFp434L0117, mRNA (cDNA clone IMAGE4998532), complete cds                                                                       | gb | BC019902.1 | 18043694 | uORF | MGC |
| Homo sapiens PRO2000 protein, mRNA (cDNA clone IMAGE5103948), complete cds                                                                                         | gb | BC019909.1 | 18043697 | uORF | MGC |
| Homo sapiens RNA guanylyltransferase and 5'-phosphatase, mRNA (cDNA clone MGC9536 IMAGE3923156), complete cds                                                      | gb | BC019954.1 | 18042847 | uORF | MGC |
| Homo sapiens nucleoporin 133kDa, mRNA (cDNA clone MGC21133 IMAGE3919973), complete cds                                                                             | gb | BC020107.1 | 18043078 | uORF | MGC |
| Homo sapiens 1-aminocyclopropane-1-carboxylate synthase, mRNA (cDNA clone MGC31771 IMAGE3632065), complete cds                                                     | gb | BC020197.1 | 18044196 | uORF | MGC |
| Homo sapiens hypothetical protein PP1665, mRNA (cDNA clone IMAGE3139764), complete cds                                                                             | gb | BC020203.1 | 18044200 | uORF | MGC |
| Homo sapiens src homology three (SH3) and cysteine rich domain, mRNA (cDNA clone MGC31915 IMAGE4589443), complete cds                                              | gb | BC020221.1 | 18044224 | uORF | MGC |
| Homo sapiens hypothetical protein LOC220686, mRNA (cDNA clone MGC31920 IMAGE45565073), complete cds                                                                | gb | BC020225.1 | 18044950 | uORF | MGC |
| Homo sapiens arylsulfatase D, transcript variant 1, mRNA (cDNA clone MGC31932 IMAGE45868197), complete cds                                                         | gb | BC020229.1 | 18044234 | uORF | MGC |
| Homo sapiens neurofibromin 2 (bilateral acoustic neuroma), transcript variant 1, mRNA (cDNA clone MGC32086 IMAGE4871980), complete cds                             | gb | BC020257.1 | 18044275 | uORF | MGC |
| Homo sapiens RAB, member of RAS oncogene family-like 2B, mRNA (cDNA clone IMAGE3902486), complete cds                                                              | gb | BC020495.1 | 18088509 | uORF | MGC |
| Homo sapiens sideroflexin 1, mRNA (cDNA clone MGC17801 IMAGE3888861), complete cds                                                                                 | gb | BC020517.1 | 18088992 | uORF | MGC |
| Homo sapiens chromosome 14 open reading frame 52, mRNA (cDNA clone MGC21406 IMAGE4155545), complete cds                                                            | gb | BC020550.1 | 18088693 | uORF | MGC |
| Homo sapiens PAL-1 mRNA-binding protein, mRNA (cDNA clone MGC21447 IMAGE3446543), complete cds                                                                     | gb | BC020555.1 | 18088243 | uORF | MGC |
| Homo sapiens exportin, tRNA (nuclear export receptor for tRNAs), mRNA (cDNA clone MGC21567 IMAGE4420052), complete cds                                             | gb | BC020569.1 | 18088258 | uORF | MGC |
| Homo sapiens cytochrome P450, family 2, subfamily C, polypeptide 8, transcript variant Hp1-1, mRNA (cDNA clone MGC22146 IMAGE4767198), complete cds                | gb | BC020596.1 | 18088281 | uORF | MGC |
| Homo sapiens general transcription factor IIB, mRNA (cDNA clone MGC22152 IMAGE4807599), complete cds                                                               | gb | BC020597.1 | 18088836 | uORF | MGC |
| Homo sapiens likely ortholog of mouse tumor necrosis-alpha-induced adipose-related protein, mRNA (cDNA clone MGC22167 IMAGE4616389), complete cds                  | gb | BC020600.1 | 18089037 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ22609, mRNA (cDNA clone MGC22174 IMAGE4713693), complete cds                                                                  | gb | BC020602.1 | 18088289 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ13397, mRNA (cDNA clone IMAGE4697210), complete cds                                                                           | gb | BC020605.1 | 18088291 | uORF | MGC |
| Homo sapiens cytochrome P450, family 20, subfamily A, polypeptide 1, transcript variant 1, mRNA (cDNA clone MGC22229 IMAGE4689065), complete cds                   | gb | BC020616.1 | 18088307 | uORF | MGC |
| Homo sapiens glutathione S-transferase A3, mRNA (cDNA clone MGC22232 IMAGE4721622), complete cds                                                                   | gb | BC020619.1 | 18089047 | uORF | MGC |
| Homo sapiens Nt protein 2, mRNA (cDNA clone MGC22234 IMAGE4775062), complete cds                                                                                   | gb | BC020620.1 | 18088310 | uORF | MGC |
| Homo sapiens zinc finger, A20 domain containing 1, mRNA (cDNA clone IMAGE4294961), complete cds                                                                    | gb | BC020622.1 | 18089050 | uORF | MGC |
| Homo sapiens calcium/calmodulin-dependent protein kinase II, mRNA (cDNA clone MGC22256 IMAGE4703846), complete cds                                                 | gb | BC020630.1 | 18089055 | uORF | MGC |
| Homo sapiens interleukin 1 family, member 7 (zeta), transcript variant 1, mRNA (cDNA clone MGC22276 IMAGE4731213), complete cds                                    | gb | BC020637.1 | 18088327 | uORF | MGC |
| Homo sapiens HSPC128 protein, mRNA (cDNA clone MGC22303 IMAGE4771954), complete cds                                                                                | gb | BC020647.1 | 18089060 | uORF | MGC |
| Homo sapiens mitochondrial ribosomal protein L35, transcript variant 2, mRNA (cDNA clone MGC22314 IMAGE4709909), complete cds                                      | gb | BC020651.1 | 18088344 | uORF | MGC |
| Homo sapiens glycoprotein specific beta-1-glycoprotein 6, mRNA (cDNA clone MGC22315 IMAGE4770562), complete cds                                                    | gb | BC020652.1 | 18088347 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ11036, mRNA (cDNA clone MGC22330 IMAGE4768606), complete cds                                                                  | gb | BC020658.1 | 18088354 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ120527, mRNA (cDNA clone MGC22339 IMAGE4809793), complete cds                                                                 | gb | BC020662.1 | 18089075 | uORF | MGC |
| Homo sapiens PRO0132 protein, mRNA (cDNA clone MGC22358 IMAGE4722371), complete cds                                                                                | gb | BC020670.1 | 18089078 | uORF | MGC |
| Homo sapiens H factor 1 (complement), mRNA (cDNA clone IMAGE4734101), complete cds                                                                                 | gb | BC020687.1 | 18088330 | uORF | MGC |
| Homo sapiens ubiquitin specific protease 15, mRNA (cDNA clone IMAGE4689787), complete cds                                                                          | gb | BC020688.1 | 18088782 | uORF | MGC |
| Homo sapiens deleted in lymphocytic leukemia, 1, mRNA (cDNA clone MGC22430 IMAGE4731854), complete cds                                                             | gb | BC020692.1 | 18088339 | uORF | MGC |
| Homo sapiens pregnancy specific beta-1-glycoprotein 11, mRNA (cDNA clone MGC22484 IMAGE4732286), complete cds                                                      | gb | BC020711.1 | 18089110 | uORF | MGC |
| Homo sapiens hemoglobin, gamma A, mRNA (cDNA clone MGC22503 IMAGE4732536), complete cds                                                                            | gb | BC020719.1 | 18088860 | uORF | MGC |
| Homo sapiens cyclin E2, mRNA (cDNA clone MGC22538 IMAGE4774554), complete cds                                                                                      | gb | BC020729.1 | 18088426 | uORF | MGC |
| Homo sapiens interleukin 13 receptor, alpha 2, mRNA (cDNA clone MGC22566 IMAGE4807603), complete cds                                                               | gb | BC020739.1 | 18088440 | uORF | MGC |
| Homo sapiens CD96 antigen, mRNA (cDNA clone MGC22596 IMAGE4669495), complete cds                                                                                   | gb | BC020749.1 | 18088449 | uORF | MGC |
| Homo sapiens serine dehydratase, mRNA (cDNA clone MGC22597 IMAGE4662951), complete cds                                                                             | gb | BC020750.1 | 18088451 | uORF | MGC |
| Homo sapiens pleiotropic regulator 1 (PRL homolog, Arabidopsis), mRNA (cDNA clone MGC22797 IMAGE4809482), complete cds                                             | gb | BC020786.1 | 18088488 | uORF | MGC |
| Homo sapiens cDNA clone MGC23859 IMAGE4295904, complete cds                                                                                                        | gb | BC020814.1 | 18088548 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ32370, mRNA (cDNA clone MGC23925 IMAGE4806471), complete cds                                                                  | gb | BC020835.1 | 18088869 | uORF | MGC |
| Homo sapiens cDNA clone MGC23949 IMAGE4243903, complete cds                                                                                                        | gb | BC020838.1 | 18088579 | uORF | MGC |
| Homo sapiens cDNA clone MGC23964 IMAGE4687209, complete cds                                                                                                        | gb | BC020840.1 | 18088582 | uORF | MGC |
| Homo sapiens hepatitis A virus cellular receptor 2, mRNA (cDNA clone IMAGE4701288), complete cds                                                                   | gb | BC020843.1 | 18088588 | uORF | MGC |
| Homo sapiens cDNA clone MGC23971 IMAGE4714217, complete cds                                                                                                        | gb | BC020844.1 | 18089177 | uORF | MGC |
| Homo sapiens solute carrier family 6 (neurotransmitter transporter, GABA), member 13, mRNA (cDNA clone IMAGE4594185), complete cds                                 | gb | BC020867.1 | 18088612 | uORF | MGC |
| Homo sapiens signal transducer and activator of transcription 5B, mRNA (cDNA clone IMAGE4605440), complete cds                                                     | gb | BC020868.1 | 18088755 | uORF | MGC |
| Homo sapiens cDNA clone MGC24087 IMAGE4608625, complete cds                                                                                                        | gb | BC020873.1 | 18088620 | uORF | MGC |

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| Homo sapiens hypothetical protein FLJ138663, mRNA (cDNA clone MGC24120 IMAGE4665283), complete cds                                                                     | gb | BC020885.1 | 18089196 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ130294, mRNA (cDNA clone IMAGE4715037), complete cds                                                                              | gb | BC020898.1 | 18088803 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ11000, mRNA (cDNA clone MGC26167 IMAGE4798940), complete cds                                                                      | gb | BC020942.1 | 18088708 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ11046, mRNA (cDNA clone MGC8800 IMAGE3847561), complete cds                                                                       | gb | BC020955.1 | 18088067 | uORF | MGC |
| Homo sapiens sulfatase 2, mRNA (cDNA clone IMAGE3848759), complete cds                                                                                                 | gb | BC020962.1 | 18088078 | uORF | MGC |
| Homo sapiens, Similar to ectonucleoside triphosphate diphosphohydrolase 5, clone MGC9127 IMAGE3847878, mRNA, complete cds                                              | gb | BC020966.1 | 18089246 | uORF | MGC |
| Homo sapiens casein kinase 1, gamma 2, mRNA (cDNA clone MGC9354 IMAGE3851613), complete cds                                                                            | gb | BC020972.1 | 18088089 | N/A  | MGC |
| Homo sapiens hypothetical protein, estradiol-induced, mRNA (cDNA clone MGC9543 IMAGE3848274), complete cds                                                             | gb | BC020975.1 | 18088095 | uORF | MGC |
| Homo sapiens ZW10 interactor, transcript variant 1, mRNA (cDNA clone MGC9699 IMAGE3848873), complete cds                                                               | gb | BC020979.1 | 18088251 | uORF | MGC |
| Homo sapiens general transcription factor IIIc, polypeptide 2, beta 110kDa, mRNA (cDNA clone MGC9704 IMAGE3849379), complete cds                                       | gb | BC020981.1 | 18088104 | uORF | MGC |
| Homo sapiens bifunctional phosphatantethine adenylyl transferase/dephospho CoA kinase, mRNA (cDNA clone IMAGE3851867), complete cds                                    | gb | BC020985.1 | 21594101 | uORF | MGC |
| Homo sapiens scinderin, mRNA (cDNA clone MGC31749 IMAGE4877906), complete cds                                                                                          | gb | BC021090.1 | 18088971 | uORF | MGC |
| Homo sapiens zinc finger, FYVE domain containing 19, mRNA (cDNA clone MGC31759 IMAGE4662224), complete cds                                                             | gb | BC021092.1 | 18089260 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ14753, mRNA (cDNA clone MGC31774 IMAGE3826757), complete cds                                                                      | gb | BC021093.1 | 18088992 | uORF | MGC |
| Homo sapiens cofactor required for Sp1 transcriptional activation, subunit 6, 77kDa, mRNA (cDNA clone MGC31824 IMAGE3833937), complete cds                             | gb | BC021101.1 | 18089289 | uORF | MGC |
| Homo sapiens OGT-32 protein, mRNA (cDNA clone MGC31851 IMAGE4547900), complete cds                                                                                     | gb | BC021105.1 | 18088964 | uORF | MGC |
| Homo sapiens myofibrillogenesis regulator 1, mRNA (cDNA clone IMAGE4861213), complete cds                                                                              | gb | BC021118.1 | 18088913 | uORF | MGC |
| Homo sapiens RNA binding motif protein 4, mRNA (cDNA clone IMAGE5258497), complete cds                                                                                 | gb | BC021120.1 | 18088916 | uORF | MGC |
| Homo sapiens protein kinase, lysine deficient 1, mRNA (cDNA clone IMAGE4653173), complete cds                                                                          | gb | BC021121.1 | 21594818 | uORF | MGC |
| Homo sapiens small EDRK-rich factor 1A (telomeric), mRNA (cDNA clone MGC32975 IMAGE4824358), complete cds                                                              | gb | BC021174.1 | 18088947 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE4829245, partial cds                                                                                                                      | gb | BC021189.2 | 34194310 | uORF | MGC |
| Homo sapiens RALBP1 associated Eps domain containing 1, mRNA (cDNA clone MGC12883 IMAGE4136619), complete cds                                                          | gb | BC021211.2 | 33879167 | uORF | MGC |
| Homo sapiens, clone MGC14164 IMAGE4111329, mRNA, complete cds                                                                                                          | gb | BC021229.1 | 18204603 | uORF | MGC |
| Homo sapiens keratin, hair, basic, 1, mRNA (cDNA clone IMAGE4040298), complete cds                                                                                     | gb | BC021241.2 | 33879122 | uORF | MGC |
| Homo sapiens AFG3 ATPase family gene 3-like 1 (yeast), mRNA (cDNA clone MGC20817 IMAGE4334866), complete cds                                                           | gb | BC021245.2 | 33879123 | uORF | MGC |
| Homo sapiens, clone MGC20618 IMAGE4577873, mRNA, complete cds                                                                                                          | gb | BC021247.1 | 20987250 | uORF | MGC |
| Homo sapiens hypothetical protein B0004337, mRNA (cDNA clone MGC29744 IMAGE3347567), complete cds                                                                      | gb | BC021250.1 | 20987353 | uORF | MGC |
| Homo sapiens chromosome 9 open reading frame 58, mRNA (cDNA clone MGC29466 IMAGE3504509), complete cds                                                                 | gb | BC021253.2 | 33879126 | uORF | MGC |
| Homo sapiens pelfino 3 alpha, mRNA (cDNA clone MGC29747 IMAGE3535985), complete cds                                                                                    | gb | BC021256.2 | 33879128 | uORF | MGC |
| Homo sapiens, tripartite motif-containing 5, clone MGC29623 IMAGE4122548, mRNA, complete cds                                                                           | gb | BC021258.1 | 18204216 | uORF | MGC |
| Homo sapiens RAB24, member RAS oncogene family, mRNA (cDNA clone MGC29471 IMAGE4329216), complete cds                                                                  | gb | BC021263.1 | 18204182 | uORF | MGC |
| Homo sapiens, clone MGC29633 IMAGE4855067, mRNA, complete cds                                                                                                          | gb | BC021276.1 | 18204646 | uORF | MGC |
| Homo sapiens, clone MGC29452 IMAGE4873280, mRNA, complete cds                                                                                                          | gb | BC021278.1 | 18204271 | uORF | MGC |
| Homo sapiens zinc finger protein 444, mRNA (cDNA clone MGC29508 IMAGE5016494), complete cds                                                                            | gb | BC021282.1 | 18204649 | uORF | MGC |
| Homo sapiens, alkaline phosphatase, liver/bone/kidney, clone MGC29601 IMAGE5087597, mRNA, complete cds                                                                 | gb | BC021289.1 | 18204210 | uORF | MGC |
| Homo sapiens, clone MGC29448 IMAGE5090865, mRNA, complete cds                                                                                                          | gb | BC021303.1 | 18204176 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ14639, mRNA (cDNA clone IMAGE4870090), complete cds                                                                               | gb | BC021551.1 | 18204285 | uORF | MGC |
| Homo sapiens polymerase (DNA directed), epsilon, mRNA (cDNA clone IMAGE5014786), complete cds                                                                          | gb | BC021559.1 | 18204294 | uORF | MGC |
| Homo sapiens deleted in bladder cancer 1, mRNA (cDNA clone IMAGE4591607), complete cds                                                                                 | gb | BC021560.1 | 18204297 | uORF | MGC |
| Homo sapiens, Similar to chromatin-specific transcription elongation factor, 140 kDa subunit, clone MGC31878 IMAGE5015069, mRNA, complete cds                          | gb | BC021561.1 | 18204865 | uORF | MGC |
| Homo sapiens hypothetical protein B0004923, mRNA (cDNA clone MGC31971 IMAGE3952988), complete cds                                                                      | gb | BC021573.1 | 18204876 | uORF | MGC |
| Homo sapiens phosphoinositide 3-kinase, regulatory subunit, polypeptide 3 (p55, gamma), mRNA (cDNA clone MGC9142 IMAGE3910221), complete cds                           | gb | BC021622.1 | 20987208 | uORF | MGC |
| Homo sapiens cDNA clone MGC23985 IMAGE3931172, complete cds                                                                                                            | gb | BC021680.1 | 18204947 | uORF | MGC |
| Homo sapiens BXMAS2-10, mRNA (cDNA clone MGC24009 IMAGE4079236), complete cds                                                                                          | gb | BC021682.1 | 18204950 | uORF | MGC |
| Homo sapiens chromosome 14 open reading frame 147, mRNA (cDNA clone MGC24406 IMAGE4069530), complete cds                                                               | gb | BC021701.1 | 18203838 | uORF | MGC |
| Homo sapiens, Similar to hypothetical protein FLJ13941, clone MGC26016 IMAGE4825983, mRNA, complete cds                                                                | gb | BC021704.1 | 18204105 | uORF | MGC |
| Homo sapiens four and a half LIM domains 5, mRNA (cDNA clone MGC33058 IMAGE4827311), complete cds                                                                      | gb | BC021723.2 | 34191038 | uORF | MGC |
| Homo sapiens cDNA clone MGC30053 IMAGE5139119, complete cds                                                                                                            | gb | BC021861.1 | 18255994 | uORF | MGC |
| Homo sapiens cDNA clone MGC31979 IMAGE4330223, complete cds                                                                                                            | gb | BC021927.1 | 18314489 | uORF | MGC |
| Homo sapiens KIAA1530 protein, mRNA (cDNA clone MGC32072 IMAGE4870256), complete cds                                                                                   | gb | BC021930.1 | 18314541 | uORF | MGC |
| Homo sapiens nucleophosmin (nucleolar phosphoprotein B23, nutrin), mRNA (cDNA clone MGC22736 IMAGE4106023), complete cds                                               | gb | BC021983.1 | 18314407 | uORF | MGC |
| Homo sapiens N-myc (and STAT) interactor, mRNA (cDNA clone MGC23722 IMAGE4096531), complete cds                                                                        | gb | BC021987.2 | 34783872 | uORF | MGC |
| Homo sapiens Nedd4 family interacting protein 2, mRNA (cDNA clone MGC23729 IMAGE4011040), complete cds                                                                 | gb | BC021988.1 | 18314411 | uORF | MGC |
| Homo sapiens protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor), mRNA (cDNA clone IMAGE4073518), complete cds  | gb | BC021992.1 | 18314562 | uORF | MGC |
| Homo sapiens signal recognition particle 9kDa, mRNA (cDNA clone MGC24524 IMAGE4101294), complete cds                                                                   | gb | BC021995.1 | 18314564 | uORF | MGC |
| Homo sapiens catenin (cadherin-associated protein), alpha 3, mRNA (cDNA clone IMAGE4823848), complete cds                                                              | gb | BC022004.2 | 34190031 | uORF | MGC |
| Homo sapiens lactate dehydrogenase A -like, mRNA (cDNA clone MGC26983 IMAGE4825988), complete cds                                                                      | gb | BC022034.1 | 18314577 | uORF | MGC |
| Homo sapiens chromosome 7 open reading frame 36, mRNA (cDNA clone MGC27139 IMAGE4734433), complete cds                                                                 | gb | BC022043.1 | 18314448 | uORF | MGC |
| Homo sapiens mitochondrial ribosomal protein S31, mRNA (cDNA clone MGC27154 IMAGE4744270), complete cds                                                                | gb | BC022045.1 | 18314585 | uORF | MGC |
| Homo sapiens 44050 protein, mRNA (cDNA clone IMAGE4690584), complete cds                                                                                               | gb | BC022054.1 | 18314588 | uORF | MGC |
| Homo sapiens hypothetical protein MGC35274, mRNA (cDNA clone MGC33320 IMAGE4799558), complete cds                                                                      | gb | BC022075.1 | 18314593 | uORF | MGC |
| Homo sapiens hypothetical protein MGC33338, mRNA (cDNA clone IMAGE4822843), complete cds                                                                               | gb | BC022077.1 | 21328755 | uORF | MGC |
| Homo sapiens hypothetical protein MGC33488, mRNA (cDNA clone IMAGE4813302), partial cds                                                                                | gb | BC022081.2 | 34191057 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE4825558, partial cds                                                                                                                      | gb | BC022083.2 | 34194297 | uORF | MGC |
| Homo sapiens cDNA clone MGC31944 IMAGE4878869, complete cds                                                                                                            | gb | BC022098.1 | 18380971 | uORF | MGC |
| Homo sapiens Ets2 repressor factor, mRNA (cDNA clone MGC21291 IMAGE4397824), complete cds                                                                              | gb | BC022231.1 | 18490807 | uORF | MGC |
| Homo sapiens likely ortholog of mouse ubiquitin-conjugating enzyme E2-230K, mRNA (cDNA clone IMAGE4180340), complete cds                                               | gb | BC022237.1 | 18490593 | uORF | MGC |
| Homo sapiens mRNA similar to DnaJ (Hsp40) homolog, subfamily B, member 12 (cDNA clone MGC22187 IMAGE4771526), complete cds                                             | gb | BC022248.1 | 18490410 | uORF | MGC |
| Homo sapiens, hypothetical protein FLJ14007, clone MGC22190 IMAGE4695118, mRNA, complete cds                                                                           | gb | BC022251.1 | 18490121 | uORF | MGC |
| Homo sapiens solute carrier family 6 (neurotransmitter transporter), member 15, mRNA (cDNA clone IMAGE4283934), complete cds                                           | gb | BC022253.1 | 18490123 | uORF | MGC |
| Homo sapiens placental protein 13-like protein, mRNA (cDNA clone MGC22235 IMAGE4770140), complete cds                                                                  | gb | BC022257.1 | 18490821 | uORF | MGC |
| Homo sapiens von Willebrand factor, mRNA (cDNA clone IMAGE4688190), complete cds                                                                                       | gb | BC022258.1 | 18490127 | uORF | MGC |
| Homo sapiens collaborates/cooperates with ARF (alternate reading frame) protein, mRNA (cDNA clone MGC22346 IMAGE4697255), complete cds                                 | gb | BC022270.1 | 18490354 | uORF | MGC |
| Homo sapiens calsequestrin 2 (cardiac muscle), mRNA (cDNA clone MGC22461 IMAGE4289141), complete cds                                                                   | gb | BC022288.1 | 18490362 | uORF | MGC |
| Homo sapiens diacylglycerol kinase, epsilon 64kDa, mRNA (cDNA clone IMAGE4839690), complete cds                                                                        | gb | BC022297.1 | 18490831 | uORF | MGC |
| Homo sapiens ATPase, H+ transporting, lysosomal V0 subunit a isoform 2, mRNA (cDNA clone IMAGE4738797), complete cds                                                   | gb | BC022300.1 | 18490156 | uORF | MGC |
| Homo sapiens cytidine monophosphate-N-acetylneuraminic acid hydroxylase (OMP-N-acetylneuraminate monooxygenase), mRNA (cDNA clone MGC22537 IMAGE4692226), complete cds | gb | BC022302.1 | 18490833 | uORF | MGC |
| Homo sapiens chloride intracellular channel 2, mRNA (cDNA clone MGC22558 IMAGE4663624), complete cds                                                                   | gb | BC022305.1 | 18490161 | uORF | MGC |
| Homo sapiens serine (or cysteine) proteinase inhibitor, clade C (antithrombin), member 1, mRNA (cDNA clone MGC22579 IMAGE4734914), complete cds                        | gb | BC022309.1 | 18490838 | uORF | MGC |
| Homo sapiens polyhomeotic like 3 (Drosophila), mRNA (cDNA clone IMAGE4774329), complete cds                                                                            | gb | BC022325.1 | 18490178 | uORF | MGC |
| Homo sapiens PTK9 protein tyrosine kinase 9, mRNA (cDNA clone MGC23788 IMAGE4249251), complete cds                                                                     | gb | BC022344.1 | 18490198 | uORF | MGC |
| Homo sapiens cDNA clone MGC23866 IMAGE4297017, complete cds                                                                                                            | gb | BC022357.1 | 18490346 | uORF | MGC |
| Homo sapiens chromosome 14 open reading frame 111, mRNA (cDNA clone MGC23877 IMAGE4697725), complete cds                                                               | gb | BC022361.1 | 18490632 | uORF | MGC |
| Homo sapiens cDNA clone MGC23888 IMAGE4704496, complete cds                                                                                                            | gb | BC022362.1 | 18490210 | uORF | MGC |
| Homo sapiens hepatocellular carcinoma related protein 1, mRNA (cDNA clone IMAGE4713343), complete cds                                                                  | gb | BC022363.1 | 18490854 | uORF | MGC |
| Homo sapiens mRNA similar to RIKEN cDNA 3221402G02 gene (cDNA clone MGC23929 IMAGE4807540), complete cds                                                               | gb | BC022374.1 | 18490862 | uORF | MGC |
| Homo sapiens c-Mpl binding protein, mRNA (cDNA clone IMAGE4658493), complete cds                                                                                       | gb | BC022377.1 | 18490864 | uORF | MGC |
| Homo sapiens zinc finger protein 36 (KOX 18), mRNA (cDNA clone MGC23963 IMAGE4685873), complete cds                                                                    | gb | BC022378.1 | 18490218 | uORF | MGC |
| Homo sapiens SH2 domain-containing molecule EAT2, mRNA (cDNA clone MGC24157 IMAGE4717041), complete cds                                                                | gb | BC022407.1 | 18490408 | uORF | MGC |
| Homo sapiens cDNA clone MGC24679 IMAGE4270959, complete cds                                                                                                            | gb | BC022429.1 | 18490357 | uORF | MGC |
| Homo sapiens transient receptor potential cation channel, subfamily M, member 3, mRNA (cDNA clone IMAGE4817012), partial cds                                           | gb | BC022454.2 | 34783896 | uORF | MGC |
| Homo sapiens sulfotransferase family 4A, member 1, transcript variant 1, mRNA (cDNA clone MGC26070 IMAGE4795827), complete cds                                         | gb | BC022459.1 | 18490270 | uORF | MGC |
| Homo sapiens plasticity related gene 3, mRNA (cDNA clone MGC26189 IMAGE4797229), complete cds                                                                          | gb | BC022465.1 | 18490274 | uORF | MGC |
| Homo sapiens myelin-associated oligodendrocyte basic protein, mRNA (cDNA clone IMAGE4811899), complete cds                                                             | gb | BC022471.1 | 18490892 | uORF | MGC |
| Homo sapiens Rap2-binding protein 9, mRNA (cDNA clone MGC26655 IMAGE4793693), complete cds                                                                             | gb | BC022520.1 | 18490691 | uORF | MGC |
| Homo sapiens fibroblast growth factor 12, transcript variant 2, mRNA (cDNA clone MGC26659 IMAGE4794600), complete cds                                                  | gb | BC022524.1 | 18490695 | uORF | MGC |
| Homo sapiens KIAA0367, mRNA (cDNA clone MGC27130 IMAGE4794763), complete cds                                                                                           | gb | BC022571.1 | 21961251 | uORF | MGC |
| Homo sapiens cytochrome P450, family 4, subfamily A, polypeptide 11, mRNA (cDNA clone IMAGE4072062), complete cds                                                      | gb | BC022851.1 | 18606283 | uORF | MGC |
| Homo sapiens cardiomyopathy associated 3, mRNA (cDNA clone IMAGE4338489), complete cds                                                                                 | gb | BC022888.1 | 18605596 | uORF | MGC |
| Homo sapiens potassium channel tetramerisation domain containing 6, mRNA (cDNA clone MGC27385 IMAGE4689885), complete cds                                              | gb | BC022893.1 | 18606120 | uORF | MGC |
| Homo sapiens membrane-spanning 4-domains, subfamily A, member 8B, mRNA (cDNA clone MGC27396 IMAGE4691480), complete cds                                                | gb | BC022895.1 | 18605601 | uORF | MGC |
| Homo sapiens hypothetical protein from EUROMAGE 2005326, mRNA (cDNA clone MGC30192 IMAGE4995030), complete cds                                                         | gb | BC022957.1 | 22137350 | uORF | MGC |
| Homo sapiens PP4I89, mRNA (cDNA clone IMAGE4914762), complete cds                                                                                                      | gb | BC022958.1 | 18605805 | uORF | MGC |
| Homo sapiens hypothetical protein MGC29875, mRNA (cDNA clone MGC29875 IMAGE5110673), complete cds                                                                      | gb | BC022964.1 | 18605720 | uORF | MGC |
| Homo sapiens ligand of numb-protein X, mRNA (cDNA clone MGC29996 IMAGE4995278), complete cds                                                                           | gb | BC022983.1 | 18605734 | uORF | MGC |
| Homo sapiens chromosome 6 open reading frame 65, mRNA (cDNA clone MGC30132 IMAGE4932760), complete cds                                                                 | gb | BC022988.1 | 22137382 | uORF | MGC |
| Homo sapiens heat shock 90kDa protein 1, alpha, mRNA (cDNA clone MGC30059 IMAGE4404328), complete cds                                                                  | gb | BC023006.1 | 18605740 | uORF | MGC |
| Homo sapiens glycogenin 2, mRNA (cDNA clone MGC9153 IMAGE3923041), complete cds                                                                                        | gb | BC023152.1 | 18605502 | uORF | MGC |
| Homo sapiens vesicle-associated membrane protein 1 (synaptobrevin 1), transcript variant 2, mRNA (cDNA clone MGC24856 IMAGE4943992), complete cds                      | gb | BC023286.1 | 23270872 | uORF | MGC |
| Homo sapiens mRNA similar to hypothetical protein DKFp568M114 (cDNA clone MGC25043 IMAGE4475169), complete cds                                                         | gb | BC023288.1 | 23273815 | uORF | MGC |
| Homo sapiens extracellular matrix protein 1, transcript variant 1, mRNA (cDNA clone MGC3614 IMAGE3614195), complete cds                                                | gb | BC023505.2 | 33870104 | uORF | MGC |
| Homo sapiens vesicular membrane protein p24, mRNA (cDNA clone MGC12874 IMAGE4128341), complete cds                                                                     | gb | BC023514.2 | 33871592 | uORF | MGC |
| Homo sapiens Fas binding protein 1, mRNA (cDNA clone MGC16590 IMAGE4109753), complete cds                                                                              | gb | BC023549.2 | 33872966 | uORF | MGC |
| Homo sapiens FERM domain containing 3, mRNA (cDNA clone IMAGE3638249), complete cds                                                                                    | gb | BC023560.1 | 23270793 | uORF | MGC |
| Homo sapiens UPF3 regulator of nonsense transcripts homolog A (yeast), transcript variant 2, mRNA (cDNA clone MGC20683 IMAGE4127465), complete cds                     | gb | BC023569.1 | 27881817 | uORF | MGC |
| Homo sapiens hypothetical gene BC008967, mRNA (cDNA clone MGC23263 IMAGE4330351), complete cds                                                                         | gb | BC023603.2 | 33879293 | uORF | MGC |
| Homo sapiens cDNA clone MGC34845 IMAGE523747, complete cds                                                                                                             | gb | BC023973.1 | 23959074 | uORF | MGC |
| Homo sapiens putative nuclear protein ORF1-FL49, mRNA (cDNA clone MGC22879 IMAGE4046171), complete cds                                                                 | gb | BC023982.1 | 18645164 | uORF | MGC |
| Homo sapiens annexin A2, mRNA (cDNA clone MGC24294 IMAGE3961419), complete cds                                                                                         | gb | BC023990.1 | 18645166 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ10751, mRNA (cDNA clone MGC26171 IMAGE4822655), complete cds                                                                      | gb | BC024001.2 | 34191091 | uORF | MGC |
| Homo sapiens hypothetical protein DKFpZ434h2215, mRNA (cDNA clone MGC26228 IMAGE4821771), complete cds                                                                 | gb | BC024002.2 | 34194209 | uORF | MGC |
| Homo sapiens, cAMP-regulated guanine nucleotide exchange factor II, clone MGC26434 IMAGE4823935, mRNA, complete cds                                                    | gb | BC024004.1 | 18645150 | uORF | MGC |
| Homo sapiens hypothetical protein AE2, mRNA (cDNA clone MGC26742 IMAGE4827023), complete cds                                                                           | gb | BC024011.2 | 34191094 | uORF | MGC |
| Homo sapiens cDNA clone MGC26879 IMAGE4826480, complete cds                                                                                                            | gb | BC024013.2 | 34191096 | uORF | MGC |
| Homo sapiens F-box only protein 32, transcript variant 2, mRNA (cDNA clone MGC33610 IMAGE4825638), complete cds                                                        | gb | BC024030.2 | 34191099 | uORF | MGC |

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| Homo sapiens germ cell-less homolog (Drosophila), mRNA (cDNA clone MGC26583 IMAGE4823275), complete cds                                                                   | gb | BC024184.2 | 34191104 | cORF | MGC |
| Homo sapiens DEAH (Asp-Glu-His-Ala) box polypeptide 40, mRNA (cDNA clone MGC26826 IMAGE4822080), complete cds                                                             | gb | BC024187.2 | 34190106 | cORF | MGC |
| Homo sapiens, similar to hypothetical protein FLJ10482, clone MGC4458 IMAGE2960467, mRNA, complete cds                                                                    | gb | BC024206.1 | 18848316 | cORF | MGC |
| Homo sapiens cDNA clone IMAGE3028074, partial cds                                                                                                                         | gb | BC024209.1 | 18848164 | cORF | MGC |
| Homo sapiens ATP binding protein associated with cell differentiation, mRNA (cDNA clone MGC237355 IMAGE4107372), complete cds                                             | gb | BC024232.2 | 19683947 | cORF | MGC |
| Homo sapiens prostaglandin E receptor 3 (subtype EP3), transcript variant 6, mRNA (cDNA clone MGC27302 IMAGE4660371), complete cds                                        | gb | BC024229.1 | 18999476 | cORF | MGC |
| Homo sapiens cDNA clone MGC33318 IMAGE4789767, complete cds                                                                                                               | gb | BC024243.2 | 34193710 | cORF | MGC |
| Homo sapiens saI-like 2 (Drosophila), mRNA (cDNA clone MGC33322 IMAGE4814866), complete cds                                                                               | gb | BC024245.2 | 34190565 | cORF | MGC |
| Homo sapiens cDNA clone MGC4024 IMAGE3531592, complete cds                                                                                                                | gb | BC024254.1 | 18999470 | cORF | MGC |
| Homo sapiens hypothetical protein FLJ11467, mRNA (cDNA clone MGC13101 IMAGE3954975), complete cds                                                                         | gb | BC024256.1 | 18999366 | cORF | MGC |
| Homo sapiens major histocompatibility complex, class II, DR beta 4, mRNA (cDNA clone MGC39133 IMAGE4852401), complete cds                                                 | gb | BC024269.1 | 18999339 | cORF | MGC |
| Homo sapiens CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated), mRNA (cDNA clone MGC39144 IMAGE4763768), complete cds | gb | BC024272.1 | 18999402 | cORF | MGC |
| Homo sapiens RAB, member of RAS oncogene family-like 2B, mRNA (cDNA clone MGC39195 IMAGE4580599), complete cds                                                            | gb | BC024281.1 | 18999458 | cORF | MGC |
| Homo sapiens cDNA clone MGC39273 IMAGE5440834, complete cds                                                                                                               | gb | BC024289.1 | 18999464 | cORF | MGC |
| Homo sapiens serine/threonine kinase 29, mRNA (cDNA clone IMAGE3354414), complete cds                                                                                     | gb | BC024291.1 | 18999425 | cORF | MGC |
| Homo sapiens KIAA1061 protein, mRNA (cDNA clone MGC39367 IMAGE4662520), complete cds                                                                                      | gb | BC024300.1 | 18999422 | cORF | MGC |
| Homo sapiens dynamin 1-like, transcript variant 2, mRNA (cDNA clone MGC9157 IMAGE3882922), complete cds                                                                   | gb | BC024590.1 | 19352980 | cORF | MGC |
| Homo sapiens KIAA1223 protein, mRNA (cDNA clone MGC30046 IMAGE4943808), complete cds                                                                                      | gb | BC024725.1 | 19353253 | cORF | MGC |
| Homo sapiens hypothetical protein FLJ12428, mRNA (cDNA clone MGC29908 IMAGE5112749), complete cds                                                                         | gb | BC024746.1 | 19354329 | cORF | MGC |
| Homo sapiens chromosome 14 open reading frame 127, mRNA (cDNA clone MGC21046 IMAGE4475196), complete cds                                                                  | gb | BC024919.1 | 19354180 | cORF | MGC |
| Homo sapiens ganglioside-induced differentiation-associated protein 1, mRNA (cDNA clone MGC18012 IMAGE3923355), complete cds                                              | gb | BC024939.1 | 19354217 | cORF | MGC |
| Homo sapiens coiled-coil domain containing 8, mRNA (cDNA clone MGC39101 IMAGE4553965), complete cds                                                                       | gb | BC025243.1 | 19263914 | cORF | MGC |
| Homo sapiens hypothetical protein FLJ21919, mRNA (cDNA clone IMAGE4862672), complete cds                                                                                  | gb | BC025254.1 | 19263757 | cORF | MGC |
| Homo sapiens cell division cycle associated 4, transcript variant 1, mRNA (cDNA clone MGC39154 IMAGE4860036), complete cds                                                | gb | BC025263.1 | 19263918 | cORF | MGC |
| Homo sapiens chromosome 20 open reading frame 13, mRNA (cDNA clone MGC39159 IMAGE3929609), complete cds                                                                   | gb | BC025266.1 | 19263669 | cORF | MGC |
| Homo sapiens CGI-48 protein, mRNA (cDNA clone MGC39182 IMAGE4861495), complete cds                                                                                        | gb | BC025276.1 | 19263805 | cORF | MGC |
| Homo sapiens androgen-induced 1, mRNA (cDNA clone MGC39185 IMAGE4859216), complete cds                                                                                    | gb | BC025278.1 | 19263924 | cORF | MGC |
| Homo sapiens scaffold attachment factor B2, mRNA (cDNA clone MGC39189 IMAGE5258272), complete cds                                                                         | gb | BC025279.1 | 19263679 | cORF | MGC |
| Homo sapiens RNA binding motif protein 9, mRNA (cDNA clone MGC39192 IMAGE4555955), complete cds                                                                           | gb | BC025281.1 | 19264129 | cORF | MGC |
| Homo sapiens protein kinase D2, mRNA (cDNA clone MGC39281 IMAGE4127433), complete cds                                                                                     | gb | BC025307.1 | 19263704 | cORF | MGC |
| Homo sapiens immunoglobulin heavy constant gamma 1 (G1m marker), mRNA (cDNA clone MGC39308 IMAGE5450493), complete cds                                                    | gb | BC025314.1 | 19263708 | cORF | MGC |
| Homo sapiens mRNA similar to LOC149651 (cDNA clone MGC39393 IMAGE4862156), complete cds                                                                                   | gb | BC025345.1 | 19263726 | cORF | MGC |
| Homo sapiens, clone MGC15155 IMAGE3937407, mRNA, complete cds                                                                                                             | gb | BC025369.1 | 19263474 | cORF | MGC |
| Homo sapiens hypothetical protein FLJ20449, mRNA (cDNA clone MGC26186 IMAGE4829809), complete cds                                                                         | gb | BC025383.2 | 34190025 | cORF | MGC |
| Homo sapiens hypothetical protein MGC26605, mRNA (cDNA clone MGC26605 IMAGE4829393), complete cds                                                                         | gb | BC025389.1 | 19263961 | cORF | MGC |
| Homo sapiens hypothetical protein LOC146845, mRNA (cDNA clone MGC26645 IMAGE4838276), complete cds                                                                        | gb | BC025392.1 | 19263502 | cORF | MGC |
| Homo sapiens prokinectin 1, mRNA (cDNA clone MGC27084 IMAGE4826496), complete cds                                                                                         | gb | BC025399.1 | 19263964 | cORF | MGC |
| Homo sapiens Meis 1, myeloid ecotropic viral integration site 1 homolog 3 (mouse), mRNA (cDNA clone MGC33251 IMAGE4825964), complete cds                                  | gb | BC025404.1 | 19263506 | cORF | MGC |
| Homo sapiens phosphodiesterase 4D interacting protein (myomegalin), mRNA (cDNA clone IMAGE4813248), complete cds                                                          | gb | BC025406.1 | 19263585 | cORF | MGC |
| Homo sapiens gasdermin-like, mRNA (cDNA clone MGC34771 IMAGE5205060), complete cds                                                                                        | gb | BC025682.1 | 19344023 | cORF | MGC |
| Homo sapiens transcription factor 21, transcript variant 1, mRNA (cDNA clone MGC34534 IMAGE5221575), complete cds                                                         | gb | BC025697.1 | 19344015 | cORF | MGC |
| Homo sapiens ALL1 fused gene from 5q31, mRNA (cDNA clone IMAGE5221893), complete cds                                                                                      | gb | BC025700.1 | 19343928 | cORF | MGC |
| Homo sapiens CD3z antigen, zeta polypeptide (T1T3 complex), transcript variant 1, mRNA (cDNA clone MGC34513 IMAGE5222574), complete cds                                   | gb | BC025703.1 | 19344013 | cORF | MGC |
| Homo sapiens hypothetical protein FLJ11175, mRNA (cDNA clone MGC34293 IMAGE5224558), complete cds                                                                         | gb | BC025708.1 | 19343994 | cORF | MGC |
| Homo sapiens protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calcesurin A alpha), mRNA (cDNA clone MGC34395 IMAGE5227691), complete cds            | gb | BC025714.1 | 19343932 | cORF | MGC |
| Homo sapiens cDNA clone MGC34712 IMAGE5201547, complete cds                                                                                                               | gb | BC025727.1 | 19343616 | cORF | MGC |
| Homo sapiens CD99 antigen-like 2, mRNA (cDNA clone MGC34116 IMAGE5203087), complete cds                                                                                   | gb | BC025729.1 | 19343574 | cORF | MGC |
| Homo sapiens integral membrane protein 2C, mRNA (cDNA clone MGC34128 IMAGE5224043), complete cds                                                                          | gb | BC025742.1 | 19343576 | cORF | MGC |
| Homo sapiens hypothetical protein FLJ20359, mRNA (cDNA clone MGC34287 IMAGE5204155), complete cds                                                                         | gb | BC025761.1 | 19343948 | cORF | MGC |
| Homo sapiens signal peptide peptidase 3, mRNA (cDNA clone IMAGE5265266), complete cds                                                                                     | gb | BC025781.1 | 19344053 | cORF | MGC |
| Homo sapiens pancreatic lipase-related protein 1, mRNA (cDNA clone MGC34434 IMAGE5226231), complete cds                                                                   | gb | BC025784.2 | 34783339 | cORF | MGC |
| Homo sapiens alkB, alkylation repair homolog (E. coli), mRNA (cDNA clone MGC34444 IMAGE5229152), complete cds                                                             | gb | BC025787.1 | 19343599 | cORF | MGC |
| Homo sapiens ghrelin precursor, mRNA (cDNA clone MGC39929 IMAGE5212768), complete cds                                                                                     | gb | BC025791.1 | 19343837 | cORF | MGC |
| Homo sapiens dynein, cytoplasmic, light intermediate polypeptide 2, mRNA (cDNA clone MGC39216 IMAGE4329417), complete cds                                                 | gb | BC025959.1 | 19684162 | cORF | MGC |
| Homo sapiens acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain, mRNA (cDNA clone MGC39242 IMAGE4842286), complete cds                                                 | gb | BC025963.1 | 19684165 | cORF | MGC |
| Homo sapiens heparan sulfate 2-O-sulfotransferase 1, mRNA (cDNA clone MGC28219 IMAGE4821110), complete cds                                                                | gb | BC025990.1 | 19684078 | cORF | MGC |
| Homo sapiens cDNA clone MGC26787 IMAGE4838986, complete cds                                                                                                               | gb | BC025996.2 | 34191774 | cORF | MGC |
| Homo sapiens zinc finger protein 238, mRNA (cDNA clone MGC39220 IMAGE5460088), complete cds                                                                               | gb | BC026030.1 | 19684001 | cORF | MGC |
| Homo sapiens proline-rich Gla (G-carboxyglutamic acid) polypeptide 2, mRNA (cDNA clone MGC39251 IMAGE3960215), complete cds                                               | gb | BC026032.1 | 19684034 | cORF | MGC |
| Homo sapiens GTP binding protein, mRNA (cDNA clone MGC39306 IMAGE5444745), complete cds                                                                                   | gb | BC026039.1 | 45708795 | cORF | MGC |
| Homo sapiens, hypothetical protein FLJ13195 similar to stromal antigen 3, clone MGC15004 IMAGE3936696, mRNA, complete cds                                                 | gb | BC026058.1 | 19913526 | cORF | MGC |
| Homo sapiens tubby like protein 2, mRNA (cDNA clone MGC26357 IMAGE4837710), complete cds                                                                                  | gb | BC026070.2 | 34191790 | cORF | MGC |
| Homo sapiens testis-specific transcript, Y-linked 8, mRNA (cDNA clone IMAGE5267976), partial cds                                                                          | gb | BC026100.2 | 34191794 | cORF | MGC |
| Homo sapiens programmed cell death 4 (neoplastic transformation inhibitor), transcript variant 1, mRNA (cDNA clone MGC33046 IMAGE4798293), complete cds                   | gb | BC026104.2 | 34193738 | cORF | MGC |
| Homo sapiens, hypothetical protein KIAA1165, clone MGC3415 IMAGE3027907, mRNA, complete cds                                                                               | gb | BC026126.1 | 19913451 | cORF | MGC |
| Homo sapiens chromosome 19 open reading frame 2, mRNA (cDNA clone IMAGE4821488), partial cds                                                                              | gb | BC026184.2 | 34191783 | cORF | MGC |
| Homo sapiens F-box and WD-40 domain protein 1B, transcript variant 2, mRNA (cDNA clone MGC21122 IMAGE4419029), complete cds                                               | gb | BC026213.1 | 20070727 | cORF | MGC |
| Homo sapiens surfactant, pulmonary-associated protein A1, mRNA (cDNA clone IMAGE4704021), complete cds                                                                    | gb | BC026229.1 | 20070751 | cORF | MGC |
| Homo sapiens phenylalanine hydroxylase, mRNA (cDNA clone MGC22457 IMAGE4767736), complete cds                                                                             | gb | BC026251.1 | 20070770 | cORF | MGC |
| Homo sapiens phosphodiesterase 4D interacting protein (myomegalin), mRNA (cDNA clone IMAGE4809144), complete cds                                                          | gb | BC026270.1 | 20072821 | cORF | MGC |
| Homo sapiens retinol dehydrogenase 11 (all-trans and 9-cis), mRNA (cDNA clone MGC23798 IMAGE4250934), complete cds                                                        | gb | BC026274.1 | 20070797 | cORF | MGC |
| Homo sapiens pantothenate kinase 1, mRNA (cDNA clone IMAGE4244591), complete cds                                                                                          | gb | BC026296.1 | 20070817 | cORF | MGC |
| Homo sapiens solute carrier family 16 (monocarboxylic acid transporters), member 1, mRNA (cDNA clone MGC26141 IMAGE4811581), complete cds                                 | gb | BC026317.1 | 20070937 | cORF | MGC |
| Homo sapiens nucleosome assembly protein 1-like 2, mRNA (cDNA clone MGC26243 IMAGE4798964), complete cds                                                                  | gb | BC026325.1 | 20070943 | cORF | MGC |
| Homo sapiens KIAA1189 protein, mRNA (cDNA clone MGC26669 IMAGE4798889), complete cds                                                                                      | gb | BC026345.1 | 20070968 | cORF | MGC |
| Homo sapiens glutamate decarboxylase 1 (brain, 67kDa), mRNA (cDNA clone MGC26799 IMAGE4794214), complete cds                                                              | gb | BC026349.1 | 20071155 | cORF | MGC |
| Homo sapiens hypothetical protein FLJ37300, mRNA (cDNA clone IMAGE4796368), complete cds                                                                                  | gb | BC026362.1 | 20071157 | cORF | MGC |
| Homo sapiens, Similar to microphthalmia-associated transcription factor, clone MGC34505 IMAGE3924101, mRNA, complete cds                                                  | gb | BC026961.1 | 20071596 | cORF | MGC |
| Homo sapiens formin binding protein 3, mRNA (cDNA clone MGC16979 IMAGE4343048), complete cds                                                                              | gb | BC027178.1 | 20070794 | cORF | MGC |
| Homo sapiens cDNA clone IMAGE4155919, complete cds                                                                                                                        | gb | BC027465.1 | 22268105 | cORF | MGC |
| Homo sapiens leucine rich repeat and fibronectin type III domain containing 4, mRNA (cDNA clone MGC34178 IMAGE3887234), complete cds                                      | gb | BC027475.1 | 22268152 | cORF | MGC |
| Homo sapiens chromosome 20 open reading frame 97, mRNA (cDNA clone MGC34909 IMAGE5104452), complete cds                                                                   | gb | BC027484.1 | 20071610 | cORF | MGC |
| Homo sapiens cDNA clone MGC34907 IMAGE5104096, complete cds                                                                                                               | gb | BC027486.1 | 22268051 | cORF | MGC |
| Homo sapiens, protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform, clone MGC26454 IMAGE4831056, mRNA, complete cds                            | gb | BC027596.1 | 20381186 | cORF | MGC |
| Homo sapiens, clone MGC26892 IMAGE4828241, mRNA, complete cds                                                                                                             | gb | BC027607.1 | 20379568 | cORF | MGC |
| Homo sapiens testis-specific leucine zipper protein nurit, mRNA (cDNA clone MGC26903 IMAGE4829821), complete cds                                                          | gb | BC027609.2 | 34783203 | cORF | MGC |
| Homo sapiens, similar to poly(A) binding protein, cytoplasmic 3 (H. sapiens), clone MGC27094 IMAGE4829121, mRNA, complete cds                                             | gb | BC027617.1 | 20379667 | cORF | MGC |
| Homo sapiens, similar to HOMEBOX PROTEIN GOOSECOID ISOFORM A, clone MGC23394 IMAGE4651726, mRNA, complete cds                                                             | gb | BC027729.1 | 20379501 | cORF | MGC |
| Homo sapiens, Similar to mitochondrial translational release factor 1, clone MGC29602 IMAGE5020282, mRNA, complete cds                                                    | gb | BC027731.1 | 20379620 | cORF | MGC |
| Homo sapiens chromosome 11 open reading frame 16, mRNA (cDNA clone MGC34225 IMAGE5203029), complete cds                                                                   | gb | BC027865.1 | 20381226 | cORF | MGC |
| Homo sapiens sialyltransferase 8D (alpha-2, 8-polysialyltransferase), transcript variant 2, mRNA (cDNA clone IMAGE5203343), complete cds                                  | gb | BC027866.1 | 20381250 | cORF | MGC |
| Homo sapiens gap junction protein, alpha 4, 37kDa (connexin 37), mRNA (cDNA clone MGC34596 IMAGE5222592), complete cds                                                    | gb | BC027889.1 | 20381259 | cORF | MGC |
| Homo sapiens hypothetical protein DKFp547E052, mRNA (cDNA clone IMAGE5228783), complete cds                                                                               | gb | BC027900.1 | 23272620 | cORF | MGC |
| Homo sapiens hypothetical protein FLJ13788, mRNA (cDNA clone MGC34163 IMAGE5207043), complete cds                                                                         | gb | BC027911.1 | 20379717 | cORF | MGC |
| Homo sapiens retinoic acid induced 2, mRNA (cDNA clone MGC34677 IMAGE5201821), complete cds                                                                               | gb | BC027937.1 | 20379789 | cORF | MGC |
| Homo sapiens glycoprotein Ib (platelet), alpha polypeptide, mRNA (cDNA clone MGC34595 IMAGE5210338), complete cds                                                         | gb | BC027955.1 | 20379780 | cORF | MGC |
| Homo sapiens interleukin 6 (interferon, beta 2), mRNA (cDNA clone IMAGE3463942), complete cds                                                                             | gb | BC027978.1 | 20380191 | cORF | MGC |
| Homo sapiens mRNA similar to LOC168246 (cDNA clone MGC40162 IMAGE4995539), complete cds                                                                                   | gb | BC027989.1 | 20380198 | cORF | MGC |
| Homo sapiens hypothetical protein MGC39900, mRNA (cDNA clone MGC39900 IMAGE5247537), complete cds                                                                         | gb | BC028039.1 | 20380419 | cORF | MGC |
| Homo sapiens 2',3'-cyclic nucleotide 3' phosphodiesterase, mRNA (cDNA clone MGC40095 IMAGE5248370), complete cds                                                          | gb | BC028040.1 | 20380837 | cORF | MGC |
| Homo sapiens RAB39, member RAS oncogene family, mRNA (cDNA clone MGC40186 IMAGE5197104), complete cds                                                                     | gb | BC028064.1 | 20380205 | cORF | MGC |
| Homo sapiens glutaredoxin 2, mRNA (cDNA clone MGC39931 IMAGE5395272), complete cds                                                                                        | gb | BC028113.1 | 20380873 | cORF | MGC |
| Homo sapiens ring finger protein 32, mRNA (cDNA clone MGC39870 IMAGE5171854), complete cds                                                                                | gb | BC028120.1 | 20381332 | cORF | MGC |
| Homo sapiens hypothetical protein FLJ25414, mRNA (cDNA clone MGC40175 IMAGE5166606), complete cds                                                                         | gb | BC028124.1 | 20381415 | cORF | MGC |
| Homo sapiens purinergic receptor P2Y, G-protein coupled, 2, transcript variant 3, mRNA (cDNA clone MGC40010 IMAGE5215817), complete cds                                   | gb | BC028135.1 | 20380402 | cORF | MGC |
| Homo sapiens ubiquitin associated and SH3 domain containing, A, mRNA (cDNA clone MGC39914 IMAGE5215324), complete cds                                                     | gb | BC028138.1 | 20380809 | cORF | MGC |
| Homo sapiens hypothetical protein FLJ34389, mRNA (cDNA clone MGC40065 IMAGE5214733), complete cds                                                                         | gb | BC028141.1 | 20381392 | cORF | MGC |
| Homo sapiens DNA segment on chromosome X and Y (unique) 155 expressed sequence, mRNA (cDNA clone MGC39904 IMAGE5217247), complete cds                                     | gb | BC028151.1 | 20380085 | cORF | MGC |
| Homo sapiens NK inhibitory receptor precursor, mRNA (cDNA clone MGC40116 IMAGE5207520), complete cds                                                                      | gb | BC028199.1 | 20380182 | cORF | MGC |
| Homo sapiens KIAA1193, mRNA (cDNA clone MGC40194 IMAGE5201526), complete cds                                                                                              | gb | BC028203.1 | 20380209 | cORF | MGC |
| Homo sapiens killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1, mRNA (cDNA clone MGC39948 IMAGE5215674), complete cds                     | gb | BC028206.1 | 20380916 | cORF | MGC |
| Homo sapiens cDNA clone IMAGE5218785, complete cds                                                                                                                        | gb | BC028218.1 | 20380063 | cORF | MGC |
| Homo sapiens trans-golgi network protein 2, mRNA (cDNA clone MGC40073 IMAGE5217823), complete cds                                                                         | gb | BC028219.1 | 20380164 | cORF | MGC |
| Homo sapiens zinc finger protein 471, mRNA (cDNA clone IMAGE5241098), complete cds                                                                                        | gb | BC028227.1 | 20380929 | cORF | MGC |
| Homo sapiens growth differentiation factor 10, mRNA (cDNA clone MGC39897 IMAGE5245100), complete cds                                                                      | gb | BC028237.1 | 20380934 | cORF | MGC |
| Homo sapiens FLJ23311 protein, mRNA (cDNA clone IMAGE5406977), complete cds                                                                                               | gb | BC028244.1 | 20380073 | cORF | MGC |
| Homo sapiens mRNA similar to LOC147447 (cDNA clone MGC34991 IMAGE5141042), complete cds                                                                                   | gb | BC028301.1 | 20271471 | cORF | MGC |
| Homo sapiens testis specific, 10, mRNA (cDNA clone MGC26905 IMAGE4830604), complete cds                                                                                   | gb | BC028366.1 | 22382176 | cORF | MGC |
| Homo sapiens polyhomeotic-like 2 (Drosophila), mRNA (cDNA clone IMAGE4977977), complete cds                                                                               | gb | BC028396.1 | 20306929 | cORF | MGC |
| Homo sapiens fring, mRNA (cDNA clone MGC33857 IMAGE4826613), complete cds                                                                                                 | gb | BC028424.1 | 20306346 | cORF | MGC |
| Homo sapiens, KIAA0027 protein, clone MGC34016 IMAGE4817175, mRNA, complete cds                                                                                           | gb | BC028425.1 | 20306685 | cORF | MGC |
| Homo sapiens, KIAA1509 protein, clone MGC15033 IMAGE3634458, mRNA, complete cds                                                                                           | gb | BC028565.1 | 20306847 | cORF | MGC |
| Homo sapiens gamma-aminobutyric acid (GABA) A receptor, alpha 3, mRNA (cDNA clone MGC33793 IMAGE5261326), complete cds                                                    | gb | BC028629.1 | 20306951 | cORF | MGC |
| Homo sapiens chromosome 15 open reading frame 15, mRNA (cDNA clone MGC23706 IMAGE4092804), complete cds                                                                   | gb | BC028672.1 | 20381078 | cORF | MGC |
| Homo sapiens chromosome 9 open reading frame 28, mRNA (cDNA clone MGC24472 IMAGE4083276), complete cds                                                                    | gb | BC028675.1 | 20379510 | cORF | MGC |

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| Homo sapiens hypothetical protein MGC27005, mRNA (cDNA clone MGC27005 IMAGE4828274), complete cds                                                       | gb | BC028711.2 | 34192071 | uORF | MGC |
| Homo sapiens transmembrane phosphatase with tensin homology, transcript variant 2, mRNA (cDNA clone MGC33052 IMAGE5289598), complete cds                | gb | BC028719.1 | 20379672 | uORF | MGC |
| Homo sapiens cDNA clone MGC33092 IMAGE5269300, complete cds                                                                                             | gb | BC028721.2 | 34192074 | uORF | MGC |
| Homo sapiens, similar to CASEIN KINASE I ALPHA ISOFORM (GKI-ALPHA) (CK1), clone MGC33182 IMAGE5266487, mRNA, complete cds                               | gb | BC028723.1 | 20380987 | uORF | MGC |
| Homo sapiens dual specificity phosphatase 18, mRNA (cDNA clone MGC33231 IMAGE5269586), complete cds                                                     | gb | BC028724.1 | 20381112 | uORF | MGC |
| Homo sapiens hypothetical protein DKFZp547C176, mRNA (cDNA clone MGC33325 IMAGE4815682), complete cds                                                   | gb | BC028725.2 | 34192050 | uORF | MGC |
| Homo sapiens cation channel, sperm associated 2, transcript variant 4, mRNA (cDNA clone MGC33326 IMAGE4828636), complete cds                            | gb | BC028728.1 | 20381114 | uORF | MGC |
| Homo sapiens potassium channel, subfamily V, member 1, mRNA (cDNA clone MGC33759 IMAGE5261372), complete cds                                            | gb | BC028739.2 | 34192079 | uORF | MGC |
| Homo sapiens, signal transducing adaptor molecule (SH3 domain and ITAM motif) 2, clone MGC33781 IMAGE5260998, mRNA, complete cds                        | gb | BC028740.1 | 20381122 | uORF | MGC |
| Homo sapiens hypothetical protein DKFZp566D1346, mRNA (cDNA clone MGC39111 IMAGE4558748), complete cds                                                  | gb | BC028840.1 | 20381039 | uORF | MGC |
| Homo sapiens nuclear interacting partner of anaplastic lymphoma kinase (ALK), mRNA (cDNA clone IMAGE4707030), complete cds                              | gb | BC028917.1 | 20809338 | uORF | MGC |
| Homo sapiens piggyBac transposable element derived 3, mRNA (cDNA clone MGC30025 IMAGE4479639), complete cds                                             | gb | BC028954.1 | 20809404 | uORF | MGC |
| Homo sapiens fragile X mental retardation, autosomal homolog 1, mRNA (cDNA clone MGC29858 IMAGE5122574), complete cds                                   | gb | BC028983.1 | 20810051 | uORF | MGC |
| Homo sapiens arachidonate 15-lipoxygenase, mRNA (cDNA clone MGC34638 IMAGE5179700), complete cds                                                        | gb | BC029032.1 | 20809660 | uORF | MGC |
| Homo sapiens H1 histone family, member 0, mRNA (cDNA clone MGC35420 IMAGE5189077), complete cds                                                         | gb | BC029046.1 | 20810070 | uORF | MGC |
| Homo sapiens PDZ domain containing 7, mRNA (cDNA clone MGC34150 IMAGE5179973), complete cds                                                             | gb | BC029054.1 | 20810506 | uORF | MGC |
| Homo sapiens SAM domain, SH3 domain and nuclear localisation signals, 1, mRNA (cDNA clone MGC16947 IMAGE4343284), complete cds                          | gb | BC029112.1 | 20810354 | uORF | MGC |
| Homo sapiens interleukin 12 receptor, beta 1, transcript variant 2, mRNA (cDNA clone MGC34454 IMAGE5189122), complete cds                               | gb | BC029121.1 | 20809651 | uORF | MGC |
| Homo sapiens ATP-binding cassette, sub-family G (WHITE), member 1, transcript variant 2, mRNA (cDNA clone MGC34313 IMAGE5198758), complete cds          | gb | BC029158.1 | 20809789 | uORF | MGC |
| Homo sapiens secretoglobin, family 3A, member 1, mRNA (cDNA clone MGC34758 IMAGE5180304), complete cds                                                  | gb | BC029176.1 | 20809672 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ23451, mRNA (cDNA clone IMAGE4673016), complete cds                                                                | gb | BC029359.1 | 20810178 | uORF | MGC |
| Homo sapiens calcium-binding transporter, mRNA (cDNA clone IMAGE4807443), complete cds                                                                  | gb | BC029377.1 | 20809471 | uORF | MGC |
| Homo sapiens telomeric repeat binding factor (NIMA-interacting) 1, transcript variant 2, mRNA (cDNA clone MGC32568 IMAGE4747068), complete cds          | gb | BC029378.1 | 20810195 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ10283, mRNA (cDNA clone MGC32577 IMAGE4525271), complete cds                                                       | gb | BC029382.1 | 20809477 | uORF | MGC |
| Homo sapiens aldolase B, fructose-bisphosphate, mRNA (cDNA clone MGC32618 IMAGE4593670), complete cds                                                   | gb | BC029399.1 | 20809494 | uORF | MGC |
| Homo sapiens proteasome (prosome, macropain) subunit, alpha type, 3, transcript variant 1, mRNA (cDNA clone MGC32631 IMAGE4104773), complete cds        | gb | BC029402.1 | 20810438 | uORF | MGC |
| Homo sapiens angiotensin 1, mRNA (cDNA clone IMAGE4805448), complete cds                                                                                | gb | BC029406.1 | 20810212 | uORF | MGC |
| Homo sapiens cDNA clone MGC32677 IMAGE4258958, complete cds                                                                                             | gb | BC029424.1 | 20810222 | uORF | MGC |
| Homo sapiens hypothetical protein LOC374969, mRNA (cDNA clone MGC32681 IMAGE4809778), complete cds                                                      | gb | BC029427.1 | 20810225 | uORF | MGC |
| Homo sapiens cDNA clone MGC32682 IMAGE3935180, complete cds                                                                                             | gb | BC029428.1 | 20809522 | uORF | MGC |
| Homo sapiens zinc finger protein 258, mRNA (cDNA clone IMAGE4609257), complete cds                                                                      | gb | BC029439.1 | 20810233 | uORF | MGC |
| Homo sapiens cDNA clone MGC32714 IMAGE4692138, complete cds                                                                                             | gb | BC029444.1 | 20809538 | uORF | MGC |
| Homo sapiens cDNA clone MGC32876 IMAGE4734912, complete cds                                                                                             | gb | BC029480.1 | 20809559 | uORF | MGC |
| Homo sapiens, hypothetical protein HSPC152, clone MGC32879 IMAGE4737961, mRNA, complete cds                                                             | gb | BC029482.1 | 20809961 | uORF | MGC |
| Homo sapiens chromosome 21 open reading frame 55, mRNA (cDNA clone MGC33722 IMAGE5299220), complete cds                                                 | gb | BC029509.1 | 20810276 | uORF | MGC |
| Homo sapiens 3-hydroxyanthranilate 3,4-dioxygenase, mRNA (cDNA clone MGC33761 IMAGE5302724), complete cds                                               | gb | BC029510.1 | 20810279 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ36175, mRNA (cDNA clone MGC33855 IMAGE501559), complete cds                                                        | gb | BC029520.1 | 20810486 | uORF | MGC |
| Homo sapiens hypothetical protein MGC33887, mRNA (cDNA clone IMAGE5297725), complete cds                                                                | gb | BC029524.1 | 20810290 | uORF | MGC |
| Homo sapiens mRNA similar to RIKEN cDNA 9230116B18 gene (cDNA clone MGC33893 IMAGE5301753), complete cds                                                | gb | BC029526.1 | 20809613 | uORF | MGC |
| Homo sapiens tubulin, beta, 2, mRNA (cDNA clone MGC33915 IMAGE5274343), complete cds                                                                    | gb | BC029529.1 | 20809885 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ25409, mRNA (cDNA clone MGC33986 IMAGE5297908), complete cds                                                       | gb | BC029541.1 | 20810301 | uORF | MGC |
| Homo sapiens DMRT-like family B with proline-rich C-terminal, 1, mRNA (cDNA clone MGC39572 IMAGE4836894), complete cds                                  | gb | BC029566.1 | 20809905 | uORF | MGC |
| Homo sapiens cDNA clone MGC39674 IMAGE5269150, complete cds                                                                                             | gb | BC029580.1 | 20809917 | uORF | MGC |
| Homo sapiens similar to synaptotagmin V, mRNA (cDNA clone MGC39798 IMAGE5296925), complete cds                                                          | gb | BC029605.1 | 20809939 | uORF | MGC |
| Homo sapiens hypothetical protein MGC39830, mRNA (cDNA clone MGC39830 IMAGE5302244), complete cds                                                       | gb | BC029608.1 | 20810348 | uORF | MGC |
| Homo sapiens cDNA clone MGC39831 IMAGE5302675, complete cds                                                                                             | gb | BC029609.1 | 20810005 | uORF | MGC |
| Homo sapiens amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 4, mRNA (cDNA clone MGC39837 IMAGE5304046), complete cds           | gb | BC029611.1 | 23271971 | uORF | MGC |
| Homo sapiens allantoinase, transcript variant 1, mRNA (cDNA clone MGC34251 IMAGE5164086), complete cds                                                  | gb | BC029652.1 | 20867688 | uORF | MGC |
| Homo sapiens ubiquitin specific protease 24, mRNA (cDNA clone MGC29848 IMAGE4995223), complete cds                                                      | gb | BC029660.1 | 20867358 | uORF | MGC |
| Homo sapiens chromosome 20 open reading frame 142, mRNA (cDNA clone MGC30135 IMAGE4933017), complete cds                                                | gb | BC029662.1 | 20868204 | uORF | MGC |
| Homo sapiens CGI-77 protein, mRNA (cDNA clone MGC18950 IMAGE4343258), complete cds                                                                      | gb | BC029760.1 | 20867238 | uORF | MGC |
| Homo sapiens hypothetical protein LOC199964, mRNA (cDNA clone MGC35394 IMAGE5186268), complete cds                                                      | gb | BC029775.1 | 20868236 | uORF | MGC |
| Homo sapiens LOC148872 protein, mRNA (cDNA clone MGC35434 IMAGE5190167), complete cds                                                                   | gb | BC029785.1 | 20868240 | uORF | MGC |
| Homo sapiens hypothetical protein BC014011, mRNA (cDNA clone MGC35369 IMAGE5183143), complete cds                                                       | gb | BC029796.1 | 20867519 | uORF | MGC |
| Homo sapiens DMRT-like family C1, mRNA (cDNA clone MGC35486 IMAGE5196013), complete cds                                                                 | gb | BC029799.1 | 20868685 | uORF | MGC |
| Homo sapiens Down syndrome critical region gene 9, mRNA (cDNA clone MGC35117 IMAGE5167855), complete cds                                                | gb | BC029827.1 | 20868261 | uORF | MGC |
| Homo sapiens ectonucleoside triphosphate diphosphohydrolase 3, mRNA (cDNA clone MGC34514 IMAGE5174918), complete cds                                    | gb | BC029869.1 | 20868652 | uORF | MGC |
| Homo sapiens cDNA clone MGC35221 IMAGE5172092, complete cds                                                                                             | gb | BC029877.1 | 20868281 | uORF | MGC |
| Homo sapiens occludin, mRNA (cDNA clone MGC34277 IMAGE5179203), complete cds                                                                            | gb | BC029886.1 | 20867417 | uORF | MGC |
| Homo sapiens transcription factor EC, mRNA (cDNA clone MGC34383 IMAGE5179088), complete cds                                                             | gb | BC029891.1 | 20867419 | uORF | MGC |
| Homo sapiens, TOF(beta)-induced transcription factor 2-like, clone MGC34726 IMAGE5164726, mRNA, complete cds                                            | gb | BC029920.1 | 20867461 | uORF | MGC |
| Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 55, mRNA (cDNA clone MGC33209 IMAGE4821394), complete cds                                           | gb | BC030020.2 | 34190861 | uORF | MGC |
| Homo sapiens, guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O, clone MGC33450 IMAGE4791738, mRNA, complete cds  | gb | BC030027.1 | 20867388 | uORF | MGC |
| Homo sapiens CD79B antigen (immunoglobulin-associated beta), mRNA (cDNA clone IMAGE5209928), complete cds                                               | gb | BC030210.1 | 20867619 | uORF | MGC |
| Homo sapiens RAD51-like 1 (S. cerevisiae), mRNA (cDNA clone MGC34245 IMAGE5206768), complete cds                                                        | gb | BC030219.1 | 20867415 | uORF | MGC |
| Homo sapiens glycoprotein IX (platelet), mRNA (cDNA clone MGC34594 IMAGE5226377), complete cds                                                          | gb | BC030229.1 | 20868413 | uORF | MGC |
| Homo sapiens glutathione S-transferase M3 (brain), mRNA (cDNA clone IMAGE5112380), complete cds                                                         | gb | BC030253.1 | 20867743 | uORF | MGC |
| Homo sapiens protease, serine, 2 (trypsin 2), mRNA (cDNA clone MGC40198 IMAGE5212025), complete cds                                                     | gb | BC030260.1 | 20868033 | uORF | MGC |
| Homo sapiens ADAMTS-like 1, transcript variant 3, mRNA (cDNA clone MGC40193 IMAGE5201199), complete cds                                                 | gb | BC030262.1 | 20867758 | uORF | MGC |
| Homo sapiens KIA0513 gene product, mRNA (cDNA clone MGC39937 IMAGE5211581), complete cds                                                                | gb | BC030280.1 | 20868043 | uORF | MGC |
| Homo sapiens membrane protein, palmitoylated 2 (MAGUK p55 subfamily member 2), mRNA (cDNA clone MGC39980 IMAGE5245436), complete cds                    | gb | BC030287.1 | 20868842 | uORF | MGC |
| Homo sapiens RNA binding motif, single stranded interacting protein, mRNA (cDNA clone MGC39946 IMAGE5404304), complete cds                              | gb | BC030290.1 | 20868448 | uORF | MGC |
| Homo sapiens, similar to hypothetical protein, MGC 8159; hypothetical protein MGC8159, clone MGC40131 IMAGE5396423, mRNA, complete cds                  | gb | BC030295.1 | 20867740 | uORF | MGC |
| Homo sapiens FLJ10378 protein, mRNA (cDNA clone IMAGE5164712), complete cds                                                                             | gb | BC030516.1 | 20867775 | uORF | MGC |
| Homo sapiens cryptochrome 1 (photolyase-like), mRNA (cDNA clone MGC40475 IMAGE5169081), complete cds                                                    | gb | BC030519.1 | 22539646 | uORF | MGC |
| Homo sapiens mitochondrial ribosomal protein S27, mRNA (cDNA clone IMAGE5189967), complete cds                                                          | gb | BC030521.2 | 34191003 | uORF | MGC |
| Homo sapiens claudin 19, mRNA (cDNA clone MGC40523 IMAGE5207628), complete cds                                                                          | gb | BC030524.1 | 20868562 | uORF | MGC |
| Homo sapiens lipin 1, mRNA (cDNA clone MGC40396 IMAGE3906281), complete cds                                                                             | gb | BC030537.1 | 20867794 | uORF | MGC |
| Homo sapiens CTCL tumor antigen L14-2, mRNA (cDNA clone IMAGE5218944), complete cds                                                                     | gb | BC030557.1 | 20868583 | uORF | MGC |
| Homo sapiens ARF protein, mRNA (cDNA clone MGC45095 IMAGE5518676), complete cds                                                                         | gb | BC030570.1 | 20868964 | uORF | MGC |
| Homo sapiens eukaryotic translation initiation factor 4 gamma, 3, mRNA (cDNA clone IMAGE4836870), complete cds                                          | gb | BC030578.1 | 22539617 | uORF | MGC |
| Homo sapiens sperm associated antigen 6, transcript variant 2, mRNA (cDNA clone MGC26276 IMAGE4822996), complete cds                                    | gb | BC030585.2 | 34194211 | uORF | MGC |
| Homo sapiens signal transducing adaptor molecule (SH3 domain and ITAM motif) 1, mRNA (cDNA clone MGC26363 IMAGE4820857), complete cds                   | gb | BC030586.2 | 34192153 | uORF | MGC |
| Homo sapiens retinoblastoma binding protein 8, mRNA (cDNA clone MGC26464 IMAGE4830693), complete cds                                                    | gb | BC030590.1 | 21040398 | uORF | MGC |
| Homo sapiens HIV-1 Rev binding protein, mRNA (cDNA clone MGC26523 IMAGE4838685), complete cds                                                           | gb | BC030592.2 | 34192113 | uORF | MGC |
| Homo sapiens, three prime repair exonuclease 1, clone MGC26740 IMAGE4826856, mRNA, complete cds                                                         | gb | BC030597.1 | 21040410 | uORF | MGC |
| Homo sapiens cDNA clone MGC26869 IMAGE4824589, complete cds                                                                                             | gb | BC030602.2 | 34190274 | uORF | MGC |
| Homo sapiens podocan, mRNA (cDNA clone MGC26993 IMAGE4826932), complete cds                                                                             | gb | BC030608.2 | 34783509 | uORF | MGC |
| Homo sapiens, prolyl endopeptidase, clone MGC16060 IMAGE3614248, mRNA, complete cds                                                                     | gb | BC030636.1 | 21040381 | uORF | MGC |
| Homo sapiens PARK2 co-regulated, mRNA (cDNA clone MGC26712 IMAGE4823530), complete cds                                                                  | gb | BC030642.2 | 34190122 | uORF | MGC |
| Homo sapiens Williams-Beuren syndrome critical region 28, mRNA (cDNA clone MGC26719 IMAGE4824662), complete cds                                         | gb | BC030643.2 | 34192164 | uORF | MGC |
| Homo sapiens solute carrier family 16 (monocarboxylic acid transporters), member 7, mRNA (cDNA clone MGC26492 IMAGE4827290), complete cds               | gb | BC030693.2 | 34192182 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ12847, mRNA (cDNA clone MGC26928 IMAGE4838618), complete cds                                                       | gb | BC030702.1 | 21265171 | uORF | MGC |
| Homo sapiens chromosome 2 open reading frame 13, mRNA (cDNA clone IMAGE4822182), partial cds                                                            | gb | BC030711.2 | 34783419 | uORF | MGC |
| Homo sapiens mRNA similar to hypothetical gene LOC133874 (cDNA clone MGC42229 IMAGE4812742), complete cds                                               | gb | BC030767.1 | 21315031 | uORF | MGC |
| Homo sapiens stromal cell derived factor receptor 1, mRNA (cDNA clone IMAGE4825851), partial cds                                                        | gb | BC030773.2 | 34783426 | uORF | MGC |
| Homo sapiens Probe hTg737 (polycystic kidney disease, autosomal recessive), transcript variant 1, mRNA (cDNA clone MGC26259 IMAGE4824965), complete cds | gb | BC030776.1 | 21315054 | uORF | MGC |
| Homo sapiens glycerol 3-phosphate acyltransferase, mitochondrial, mRNA (cDNA clone MGC26846 IMAGE4821342), complete cds                                 | gb | BC030783.1 | 21315057 | uORF | MGC |
| Homo sapiens LAG1 longevity assurance homolog 6 (S. cerevisiae), mRNA (cDNA clone IMAGE4396549), complete cds                                           | gb | BC030800.2 | 34192205 | uORF | MGC |
| Homo sapiens syndecan 4 (amphiglycan, ryudocan), mRNA (cDNA clone MGC22217 IMAGE4690309), complete cds                                                  | gb | BC030805.1 | 21410057 | uORF | MGC |
| Homo sapiens zinc finger, FYVE domain containing 16, mRNA (cDNA clone MGC22300 IMAGE4701661), complete cds                                              | gb | BC030808.1 | 21411214 | uORF | MGC |
| Homo sapiens cDNA clone MGC22745 IMAGE4251290, complete cds                                                                                             | gb | BC030814.1 | 21410816 | uORF | MGC |
| Homo sapiens hippocalcin like 4, mRNA (cDNA clone MGC26229 IMAGE4811834), complete cds                                                                  | gb | BC030827.1 | 21410083 | uORF | MGC |
| Homo sapiens small nuclear protein PRAC, mRNA (cDNA clone MGC32520 IMAGE4739311), complete cds                                                          | gb | BC030950.1 | 21411285 | uORF | MGC |
| Homo sapiens ankyrin 1, erythrocytic, mRNA (cDNA clone IMAGE4245014), complete cds                                                                      | gb | BC030957.1 | 21410935 | uORF | MGC |
| Homo sapiens cDNA clone MGC32649 IMAGE4703938, complete cds                                                                                             | gb | BC030983.1 | 21410207 | uORF | MGC |
| Homo sapiens cDNA clone MGC32654 IMAGE4701898, complete cds                                                                                             | gb | BC030984.1 | 21410210 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ33979, mRNA (cDNA clone MGC32708 IMAGE4857323), complete cds                                                       | gb | BC030997.1 | 21410961 | uORF | MGC |
| Homo sapiens SET and MYND domain containing 3, mRNA (cDNA clone MGC32757 IMAGE4334047), complete cds                                                    | gb | BC031010.1 | 21410973 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ12476, mRNA (cDNA clone IMAGE5271948), complete cds                                                                | gb | BC031041.1 | 21410258 | uORF | MGC |
| Homo sapiens DnaJ (Hsp40) homolog, subfamily A, member 4, mRNA (cDNA clone MGC33002 IMAGE5277834), complete cds                                         | gb | BC031044.1 | 21410572 | uORF | MGC |
| Homo sapiens lecithin retinol acyltransferase (phosphatidylcholine--retinol O-acyltransferase), mRNA (cDNA clone MGC33103 IMAGE5274486), complete cds   | gb | BC031053.1 | 21410991 | uORF | MGC |
| Homo sapiens aminoadipate aminotransferase, mRNA (cDNA clone MGC33687 IMAGE5286180), complete cds                                                       | gb | BC031068.1 | 21410575 | uORF | MGC |
| Homo sapiens chromosome 12 open reading frame 6, mRNA (cDNA clone MGC33714 IMAGE5282475), complete cds                                                  | gb | BC031073.1 | 21411375 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ20509, mRNA (cDNA clone MGC33721 IMAGE5274010), complete cds                                                       | gb | BC031074.1 | 21411002 | uORF | MGC |
| Homo sapiens CUG triplet repeat, RNA binding protein 1, transcript variant 2, mRNA (cDNA clone MGC33773 IMAGE5297141), complete cds                     | gb | BC031079.1 | 21411009 | uORF | MGC |
| Homo sapiens hypothetical protein LOC126248, mRNA (cDNA clone MGC39542 IMAGE5270677), complete cds                                                      | gb | BC031227.1 | 21411479 | uORF | MGC |
| Homo sapiens mRNA similar to LOC119597 (cDNA clone MGC39543 IMAGE5271031), complete cds                                                                 | gb | BC031228.1 | 21410592 | uORF | MGC |
| Homo sapiens serine/threonine kinase 33, mRNA (cDNA clone MGC39551 IMAGE5296502), complete cds                                                          | gb | BC031231.1 | 22658391 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ25393, mRNA (cDNA clone MGC39666 IMAGE5268521), complete cds                                                       | gb | BC031247.1 | 21410604 | uORF | MGC |
| Homo sapiens catenin (cadherin-associated protein), alpha 1, 102kDa, mRNA (cDNA clone MGC39727 IMAGE5274351), complete cds                              | gb | BC031262.1 | 21411494 | uORF | MGC |
| Homo sapiens transmembrane 4 superfamily member 12, mRNA (cDNA clone MGC39733 IMAGE5275953), complete cds                                               | gb | BC031265.1 | 21411498 | uORF | MGC |
| Homo sapiens tetraRicopeptide repeat domain 16, mRNA (cDNA clone MGC39779 IMAGE5295980), complete cds                                                   | gb | BC031281.1 | 21410622 | uORF | MGC |
| Homo sapiens chromosome 21 open reading frame 2, mRNA (cDNA clone MGC39230 IMAGE4878257), complete cds                                                  | gb | BC031300.1 | 21411469 | uORF | MGC |
| Homo sapiens hyaluron binding protein 2, mRNA (cDNA clone MGC34485 IMAGE5187066), complete cds                                                          | gb | BC031412.1 | 21618646 | uORF | MGC |

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| Homo sapiens phosphatidylinositol transfer protein, beta, mRNA (cDNA clone MGC17010 IMAGE4341137), complete cds                                                                          | gb | BC031427.1 | 21594293 | uORF | MGC |
| Homo sapiens mRNA similar to NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4 (cDNA clone MGC21504 IMAGE3882600), complete cds                                                      | gb | BC031469.1 | 21618694 | uORF | MGC |
| Homo sapiens CDC-like kinase 1, mRNA (cDNA clone MGC21240 IMAGE4387232), complete cds                                                                                                    | gb | BC031549.1 | 21618730 | uORF | MGC |
| Homo sapiens cDNA clone MGC34756 IMAGE5179679, complete cds                                                                                                                              | gb | BC031551.1 | 21618732 | uORF | MGC |
| Homo sapiens serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antipainin, pigment epithelium derived factor), member 2, mRNA (cDNA clone MGC34213 IMAGE5190061), complete cds | gb | BC031592.1 | 21594845 | uORF | MGC |
| Homo sapiens peroxisomal biogenesis factor 7, mRNA (cDNA clone MGC35292 IMAGE5176358), complete cds                                                                                      | gb | BC031606.1 | 21595087 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ10808, mRNA (cDNA clone IMAGE5172175), complete cds                                                                                                 | gb | BC031637.1 | 21619457 | uORF | MGC |
| Homo sapiens, clone MGC35144 IMAGE5169239, mRNA, complete cds                                                                                                                            | gb | BC031650.1 | 21595061 | uORF | MGC |
| Homo sapiens chromosome 1 open reading frame 38, mRNA (cDNA clone IMAGE5170350), complete cds                                                                                            | gb | BC031655.1 | 21619464 | uORF | MGC |
| Homo sapiens mRNA similar to hypothetical gene LOC136555 (cDNA clone MGC35170 IMAGE5170151), complete cds                                                                                | gb | BC031661.1 | 21594954 | uORF | MGC |
| Homo sapiens guanylate cyclase activator 1A (retina), mRNA (cDNA clone MGC34591 IMAGE5172128), complete cds                                                                              | gb | BC031663.1 | 22749775 | uORF | MGC |
| Homo sapiens hypothetical protein MGC10433, mRNA (cDNA clone MGC35002 IMAGE5163682), complete cds                                                                                        | gb | BC031682.1 | 21594921 | uORF | MGC |
| Homo sapiens taktin 3, mRNA (cDNA clone MGC34112 IMAGE5166920), complete cds                                                                                                             | gb | BC031688.1 | 21618791 | uORF | MGC |
| Homo sapiens ret finger protein-like 3, mRNA (cDNA clone MGC34423 IMAGE5167710), complete cds                                                                                            | gb | BC031689.1 | 21618794 | uORF | MGC |
| Homo sapiens deleted in a mouse model of primary ciliary dyskinesia, mRNA (cDNA clone MGC35075 IMAGE5166605), complete cds                                                               | gb | BC031695.1 | 21618800 | uORF | MGC |
| Homo sapiens peroxisomal acyl-CoA thioesterase 2B, mRNA (cDNA clone MGC25068 IMAGE4498488), complete cds                                                                                 | gb | BC031799.1 | 21594355 | uORF | MGC |
| Homo sapiens cDNA clone MGC25008 IMAGE4453355, complete cds                                                                                                                              | gb | BC031827.1 | 21594347 | uORF | MGC |
| Homo sapiens KIAA1900, mRNA (cDNA clone IMAGE4478431), complete cds                                                                                                                      | gb | BC031830.1 | 22749562 | uORF | MGC |
| Homo sapiens diacylglycerol kinase, alpha 80kDa, mRNA (cDNA clone MGC42356 IMAGE4819985), complete cds                                                                                   | gb | BC031870.2 | 34192225 | uORF | MGC |
| Homo sapiens glutamate-ammonia ligase (glutamine synthase), mRNA (cDNA clone MGC42945 IMAGE4837475), complete cds                                                                        | gb | BC031964.1 | 22749654 | uORF | MGC |
| Homo sapiens cDNA clone MGC43036 IMAGE4839025, complete cds                                                                                                                              | gb | BC031966.1 | 22749659 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ25084, mRNA (cDNA clone IMAGE4750474), complete cds                                                                                                 | gb | BC031997.1 | 21594224 | uORF | MGC |
| Homo sapiens hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1, mRNA (cDNA clone MGC21385 IMAGE4755300), complete cds                                         | gb | BC031999.1 | 21619293 | uORF | MGC |
| Homo sapiens cDNA clone MGC21394 IMAGE4754193, complete cds                                                                                                                              | gb | BC032003.1 | 21594220 | uORF | MGC |
| Homo sapiens transmembrane 6 superfamily member 1, mRNA (cDNA clone IMAGE4750102), complete cds                                                                                          | gb | BC032007.1 | 21594217 | uORF | MGC |
| Homo sapiens, hypothetical protein QL009, clone MGC20680 IMAGE4554225, mRNA, complete cds                                                                                                | gb | BC032101.1 | 21594290 | uORF | MGC |
| Homo sapiens vacuolar protein sorting 52 (yeast), transcript variant 1, mRNA (cDNA clone MGC23328 IMAGE4644275), complete cds                                                            | gb | BC032108.1 | 21594272 | uORF | MGC |
| Homo sapiens, chromosome 20 open reading frame 11, clone MGC29516 IMAGE4137113, mRNA, complete cds                                                                                       | gb | BC032120.1 | 21594654 | uORF | MGC |
| Homo sapiens, Similar to bromodomain containing 3, clone MGC29612 IMAGE4856840, mRNA, complete cds                                                                                       | gb | BC032124.1 | 21594669 | uORF | MGC |
| Homo sapiens plexin A2, mRNA (cDNA clone IMAGE4900279), complete cds                                                                                                                     | gb | BC032125.2 | 33878587 | uORF | MGC |
| Homo sapiens zinc finger protein 44 (KOX 7), mRNA (cDNA clone IMAGE5202234), complete cds                                                                                                | gb | BC032246.1 | 21619006 | uORF | MGC |
| Homo sapiens hypothetical protein MGC27165, mRNA (cDNA clone MGC40072 IMAGE5217556), complete cds                                                                                        | gb | BC032249.1 | 21619009 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ20793, mRNA (cDNA clone MGC40412 IMAGE3920251), complete cds                                                                                        | gb | BC032325.1 | 21619039 | uORF | MGC |
| Homo sapiens putative homeodomain transcription factor 2, mRNA (cDNA clone IMAGE5171332), complete cds                                                                                   | gb | BC032334.1 | 21595422 | uORF | MGC |
| Homo sapiens mRNA similar to hypothetical gene LOC137781 (cDNA clone MGC40429 IMAGE5212747), complete cds                                                                                | gb | BC032347.1 | 21595394 | uORF | MGC |
| Homo sapiens kelch-like 6 (Drosophila), mRNA (cDNA clone MGC40562 IMAGE5213743), complete cds                                                                                            | gb | BC032348.1 | 21619049 | uORF | MGC |
| Homo sapiens major histocompatibility complex, class II, DR alpha, mRNA (cDNA clone MGC40279 IMAGE5214156), complete cds                                                                 | gb | BC032350.1 | 21619051 | uORF | MGC |
| Homo sapiens nicotianamide nucleotide transhydrogenase, mRNA (cDNA clone IMAGE4421427), complete cds                                                                                     | gb | BC032370.1 | 21595400 | uORF | MGC |
| Homo sapiens Rat guanine nucleotide exchange factor RalGTPS1A, mRNA (cDNA clone MGC40302 IMAGE5163332), complete cds                                                                     | gb | BC032372.1 | 21595578 | uORF | MGC |
| Homo sapiens transmembrane protein 18, mRNA (cDNA clone MGC40460 IMAGE5109444), complete cds                                                                                             | gb | BC032379.1 | 21595410 | uORF | MGC |
| Homo sapiens FLJ44216 protein, mRNA (cDNA clone IMAGE5171927), complete cds                                                                                                              | gb | BC032390.1 | 22749787 | uORF | MGC |
| Homo sapiens hypothetical protein DKFZp564A022, mRNA (cDNA clone MGC40251 IMAGE5200847), complete cds                                                                                    | gb | BC032393.1 | 21595312 | uORF | MGC |
| Homo sapiens ATPase, H+ transporting, lysosomal V0 subunit a isoform 1, mRNA (cDNA clone MGC40328 IMAGE5195776), complete cds                                                            | gb | BC032398.1 | 21619069 | uORF | MGC |
| Homo sapiens killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3, mRNA (cDNA clone MGC39949 IMAGE5220339), complete cds                                      | gb | BC032422.1 | 21619552 | uORF | MGC |
| Homo sapiens hypothetical protein DKFZp564A176, mRNA (cDNA clone MGC40242 IMAGE4517879), complete cds                                                                                    | gb | BC032432.1 | 21595309 | uORF | MGC |
| Homo sapiens paralemnin, mRNA (cDNA clone MGC40339 IMAGE5179938), complete cds                                                                                                           | gb | BC032449.1 | 21595354 | uORF | MGC |
| Homo sapiens cDNA clone MGC40426 IMAGE5178085, complete cds                                                                                                                              | gb | BC032451.1 | 21619605 | uORF | MGC |
| Homo sapiens cDNA clone MGC40425 IMAGE5177123, complete cds                                                                                                                              | gb | BC032452.1 | 21595391 | uORF | MGC |
| Homo sapiens serologically defined colon cancer antigen 8, mRNA (cDNA clone MGC40482 IMAGE5174799), complete cds                                                                         | gb | BC032454.1 | 21595588 | uORF | MGC |
| Homo sapiens chromosome 20 open reading frame 160, mRNA (cDNA clone IMAGE5174270), complete cds                                                                                          | gb | BC032455.1 | 21595602 | uORF | MGC |
| Homo sapiens vacuolar protein sorting 29 (yeast), mRNA (cDNA clone MGC40428 IMAGE5197243), complete cds                                                                                  | gb | BC032462.1 | 21595557 | uORF | MGC |
| Homo sapiens similar to CG3714 gene product, mRNA (cDNA clone MGC40546 IMAGE5210589), complete cds                                                                                       | gb | BC032466.1 | 21619614 | uORF | MGC |
| Homo sapiens toll-interleukin 1 receptor (TIR) domain containing adaptor protein, mRNA (cDNA clone MGC40573 IMAGE5216171), complete cds                                                  | gb | BC032474.1 | 21619619 | uORF | MGC |
| Homo sapiens transmembrane channel-like 4, mRNA (cDNA clone IMAGE5215240), complete cds                                                                                                  | gb | BC032477.1 | 21595464 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ30473, mRNA (cDNA clone MGC40599 IMAGE5221203), complete cds                                                                                        | gb | BC032485.1 | 21595595 | uORF | MGC |
| Homo sapiens Forsman glycolipid synthetase, mRNA (cDNA clone MGC44848 IMAGE5223113), complete cds                                                                                        | gb | BC032499.1 | 21619109 | uORF | MGC |
| Homo sapiens cyclin G2, mRNA (cDNA clone MGC45275 IMAGE5494024), complete cds                                                                                                            | gb | BC032518.1 | 21619119 | uORF | MGC |
| Homo sapiens mitochondrial ribosomal protein L47, mRNA (cDNA clone MGC45403 IMAGE5500168), complete cds                                                                                  | gb | BC032522.1 | 21618496 | uORF | MGC |
| Homo sapiens mitogen-activated protein kinase 9, transcript variant 1, mRNA (cDNA clone MGC45322 IMAGE5528624), complete cds                                                             | gb | BC032539.1 | 21618469 | uORF | MGC |
| Homo sapiens neuroigin 4, Y linked, mRNA (cDNA clone IMAGE5224098), complete cds                                                                                                         | gb | BC032567.1 | 21595793 | uORF | MGC |
| Homo sapiens WD repeat membrane protein PWDMP, mRNA (cDNA clone IMAGE5493226), complete cds                                                                                              | gb | BC032578.1 | 21619140 | uORF | MGC |
| Homo sapiens tubby like protein 3, mRNA (cDNA clone MGC45295 IMAGE5501888), complete cds                                                                                                 | gb | BC032587.1 | 21618456 | uORF | MGC |
| Homo sapiens beta-2-microglobulin, mRNA (cDNA clone MGC45276 IMAGE5502428), complete cds                                                                                                 | gb | BC032589.1 | 21619743 | uORF | MGC |
| Homo sapiens FLJ25621 protein, mRNA (cDNA clone MGC45492 IMAGE5529619), complete cds                                                                                                     | gb | BC032598.1 | 21618523 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ13490, mRNA (cDNA clone MGC44952 IMAGE5519534), complete cds                                                                                        | gb | BC032645.1 | 21595725 | uORF | MGC |
| Homo sapiens oxysterol binding protein-like 5, transcript variant 2, mRNA (cDNA clone MGC44908 IMAGE5518491), complete cds                                                               | gb | BC032646.1 | 21618557 | uORF | MGC |
| Homo sapiens vesicle docking protein p115, mRNA (cDNA clone MGC45332 IMAGE5532256), complete cds                                                                                         | gb | BC032654.1 | 21618474 | uORF | MGC |
| Homo sapiens transcription factor 7-like 2 (T-cell specific, HMG-box), mRNA (cDNA clone MGC44932 IMAGE5533185), complete cds                                                             | gb | BC032656.1 | 21619668 | uORF | MGC |
| Homo sapiens polymerase (DNA directed) iota, mRNA (cDNA clone MGC45176 IMAGE5529838), complete cds                                                                                       | gb | BC032662.1 | 21619715 | uORF | MGC |
| Homo sapiens phorbol-12-myristate-13-acetate-induced protein 1, mRNA (cDNA clone MGC45013 IMAGE5529754), complete cds                                                                    | gb | BC032663.1 | 21595742 | uORF | MGC |
| Homo sapiens ephrin-A1, transcript variant 1, mRNA (cDNA clone MGC45272 IMAGE5402648), complete cds                                                                                      | gb | BC032698.1 | 21618450 | uORF | MGC |
| Homo sapiens transducin (beta)-like 1X-linked, mRNA (cDNA clone MGC45225 IMAGE5496758), complete cds                                                                                     | gb | BC032708.1 | 21619189 | uORF | MGC |
| Homo sapiens parathyroid hormone-responsive B1 gene, mRNA (cDNA clone IMAGE5519851), complete cds                                                                                        | gb | BC032715.1 | 21595710 | uORF | MGC |
| Homo sapiens SVAP1 protein, mRNA (cDNA clone IMAGE4543456), complete cds                                                                                                                 | gb | BC032775.1 | 21619216 | uORF | MGC |
| Homo sapiens cDNA clone MGC27021 IMAGE4836795, complete cds                                                                                                                              | gb | BC032838.2 | 34190200 | uORF | MGC |
| Homo sapiens Cas-B-M (murine) ecotropic retroviral transforming sequence b, mRNA (cDNA clone MGC33110 IMAGE5269036), complete cds                                                        | gb | BC032851.2 | 34192827 | uORF | MGC |
| Homo sapiens melanoma antigen, family B, 4, mRNA (cDNA clone MGC33144 IMAGE5267183), complete cds                                                                                        | gb | BC032852.2 | 34192829 | uORF | MGC |
| Homo sapiens suppressor of cytokine signaling 5, mRNA (cDNA clone MGC33746 IMAGE5264754), complete cds                                                                                   | gb | BC032862.1 | 23273933 | uORF | MGC |
| Homo sapiens glycine receptor, alpha 2, mRNA (cDNA clone MGC33824 IMAGE5263356), complete cds                                                                                            | gb | BC032864.2 | 34783245 | uORF | MGC |
| Homo sapiens eukaryotic translation initiation factor 5, transcript variant 2, mRNA (cDNA clone MGC33829 IMAGE5261866), complete cds                                                     | gb | BC032866.2 | 34193752 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ10826, mRNA (cDNA clone MGC39165 IMAGE5427174), complete cds                                                                                        | gb | BC032919.1 | 21410524 | uORF | MGC |
| Homo sapiens, lysosomal-associated membrane protein 3, clone MGC26448 IMAGE4829125, mRNA, complete cds                                                                                   | gb | BC032940.1 | 21432042 | uORF | MGC |
| Homo sapiens protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), gamma isoform, mRNA (cDNA clone MGC33570 IMAGE4823280), complete cds                                     | gb | BC032954.2 | 34192271 | uORF | MGC |
| Homo sapiens hypothetical protein LOC284680, mRNA (cDNA clone MGC33651 IMAGE4827863), complete cds                                                                                       | gb | BC032957.1 | 21432090 | uORF | MGC |
| Homo sapiens PCTAIRE protein kinase 2, mRNA (cDNA clone MGC26379 IMAGE4824359), complete cds                                                                                             | gb | BC033005.1 | 21542570 | uORF | MGC |
| Homo sapiens alcohol dehydrogenase 1B (class I), beta polypeptide, mRNA (cDNA clone MGC26565 IMAGE4828235), complete cds                                                                 | gb | BC033009.2 | 34190081 | uORF | MGC |
| Homo sapiens, acrosin binding protein, clone MGC26629 IMAGE4822765, mRNA, complete cds                                                                                                   | gb | BC033010.1 | 21542511 | uORF | MGC |
| Homo sapiens HTPAP protein, mRNA (cDNA clone MGC32924 IMAGE5267610), complete cds                                                                                                        | gb | BC033025.1 | 21542540 | uORF | MGC |
| Homo sapiens DIX domain containing 1, mRNA (cDNA clone MGC33331 IMAGE4820652), complete cds                                                                                              | gb | BC033034.2 | 34190571 | uORF | MGC |
| Homo sapiens, similar to hypothetical protein, clone MGC33355 IMAGE4839231, mRNA, complete cds                                                                                           | gb | BC033035.1 | 21542536 | uORF | MGC |
| Homo sapiens lamin A/C, mRNA (cDNA clone MGC45654 IMAGE3623265), complete cds                                                                                                            | gb | BC033088.1 | 21619980 | uORF | MGC |
| Homo sapiens solute carrier family 25, member 27, mRNA (cDNA clone MGC45657 IMAGE5459503), complete cds                                                                                  | gb | BC033091.1 | 21620095 | uORF | MGC |
| Homo sapiens Cohen syndrome 1, mRNA (cDNA clone IMAGE5556763), complete cds                                                                                                              | gb | BC033121.1 | 21619864 | uORF | MGC |
| Homo sapiens lysyl oxidase-like 3, mRNA (cDNA clone IMAGE3609203), complete cds                                                                                                          | gb | BC033130.1 | 21619870 | uORF | MGC |
| Homo sapiens hypothetical protein MGC45780, mRNA (cDNA clone MGC45780 IMAGE4138639), complete cds                                                                                        | gb | BC033153.1 | 21618887 | uORF | MGC |
| Homo sapiens hypothetical gene supported by BC007071, mRNA (cDNA clone MGC45781 IMAGE4139038), complete cds                                                                              | gb | BC033154.1 | 21620043 | uORF | MGC |
| Homo sapiens DnaJ (Hsp40) homolog, subfamily C, member 8, mRNA (cDNA clone MGC45787 IMAGE4330676), complete cds                                                                          | gb | BC033159.1 | 21620115 | uORF | MGC |
| Homo sapiens calcium binding protein 4, mRNA (cDNA clone MGC45795 IMAGE4549347), complete cds                                                                                            | gb | BC033167.1 | 21619964 | uORF | MGC |
| Homo sapiens cDNA clone MGC45809 IMAGE4566267, complete cds                                                                                                                              | gb | BC033178.1 | 21620054 | uORF | MGC |
| Homo sapiens formin-like 3, mRNA (cDNA clone IMAGE4586603), complete cds                                                                                                                 | gb | BC033181.1 | 21620123 | uORF | MGC |
| Homo sapiens hypothetical protein MGC30208, mRNA (cDNA clone MGC45837 IMAGE4764666), complete cds                                                                                        | gb | BC033193.1 | 21619912 | uORF | MGC |
| Homo sapiens hypothetical gene FLJ00060, mRNA (cDNA clone MGC45839 IMAGE4849085), complete cds                                                                                           | gb | BC033195.1 | 21619915 | uORF | MGC |
| Homo sapiens hypothetical protein MGC45840, mRNA (cDNA clone MGC45840 IMAGE4849453), complete cds                                                                                        | gb | BC033196.1 | 21619967 | uORF | MGC |
| Homo sapiens cDNA clone MGC45913 IMAGE5423326, complete cds                                                                                                                              | gb | BC033233.1 | 21620075 | uORF | MGC |
| Homo sapiens methyl-CpG binding domain protein 1, transcript variant 3, mRNA (cDNA clone MGC45928 IMAGE5432943), complete cds                                                            | gb | BC033242.1 | 21620081 | uORF | MGC |
| Homo sapiens hypothetical protein MGC34923, mRNA (cDNA clone IMAGE4749974), complete cds                                                                                                 | gb | BC033292.1 | 23270897 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ22757, mRNA (cDNA clone MGC34149 IMAGE5187180), complete cds                                                                                        | gb | BC033437.1 | 23273173 | uORF | MGC |
| Homo sapiens uridine phosphorylase 2, mRNA (cDNA clone MGC42328 IMAGE4818300), complete cds                                                                                              | gb | BC033529.2 | 34191337 | uORF | MGC |
| Homo sapiens KIAA1576 protein, mRNA (cDNA clone MGC42386 IMAGE4821265), complete cds                                                                                                     | gb | BC033537.1 | 23273211 | uORF | MGC |
| Homo sapiens hypothetical protein DKFZp43G41415, mRNA (cDNA clone MGC40389 IMAGE5195232), complete cds                                                                                   | gb | BC033621.2 | 34783466 | uORF | MGC |
| Homo sapiens IMP (inosine monophosphate) dehydrogenase 1, mRNA (cDNA clone MGC40351 IMAGE5210847), complete cds                                                                          | gb | BC033622.1 | 21706906 | uORF | MGC |
| Homo sapiens chromosome 20 open reading frame 77, mRNA (cDNA clone MGC45008 IMAGE5223673), complete cds                                                                                  | gb | BC033629.1 | 21708060 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ30532, mRNA (cDNA clone MGC45442 IMAGE5210373), complete cds                                                                                        | gb | BC033689.1 | 21707224 | uORF | MGC |
| Homo sapiens 3-hydroxy-3-methylglutaryl-Coenzyme A reductase, mRNA (cDNA clone MGC454281 IMAGE5212903), complete cds                                                                     | gb | BC033692.1 | 21707181 | uORF | MGC |
| Homo sapiens Rat guanine nucleotide exchange factor RalGTPS1A, mRNA (cDNA clone MGC45125 IMAGE3901593), complete cds                                                                     | gb | BC033708.1 | 21708077 | uORF | MGC |
| Homo sapiens, Similar to RAD54B homolog, clone MGC45158 IMAGE3914364, mRNA, complete cds                                                                                                 | gb | BC033710.1 | 21707423 | uORF | MGC |
| Homo sapiens Machado-Joseph disease (spinocerebellar ataxia 3, olivopontocerebellar ataxia 3, autosomal dominant, ataxin 3), mRNA (cDNA clone MGC44934 IMAGE4393766), complete cds       | gb | BC033711.1 | 21708051 | uORF | MGC |
| Homo sapiens, hypothetical protein FLJ23518, clone MGC44958 IMAGE5001231, mRNA, complete cds                                                                                             | gb | BC033726.1 | 21707282 | uORF | MGC |
| Homo sapiens DIP13 beta, mRNA (cDNA clone MGC45069 IMAGE5168590), complete cds                                                                                                           | gb | BC033731.1 | 21707122 | uORF | MGC |
| Homo sapiens cytochrome P450, family 20, subfamily A, polypeptide 1, transcript variant 1, mRNA (cDNA clone MGC45025 IMAGE5211537), complete cds                                         | gb | BC033752.1 | 21707108 | uORF | MGC |
| Homo sapiens centaurin, alpha 2, mRNA (cDNA clone MGC45054 IMAGE5214358), complete cds                                                                                                   | gb | BC033758.1 | 21707305 | uORF | MGC |
| Homo sapiens coiled-coil-helix-coiled-coil-helix domain containing 4, mRNA (cDNA clone MGC45435 IMAGE4538841), complete cds                                                              | gb | BC033775.1 | 21708128 | uORF | MGC |
| Homo sapiens mRNA similar to RIKEN cDNA 4933430H15 gene (cDNA clone MGC45468 IMAGE5163973), complete cds                                                                                 | gb | BC033790.1 | 21708135 | uORF | MGC |
| Homo sapiens Similar to RIKEN cDNA 1110033O09 gene, mRNA (cDNA clone MGC45386 IMAGE5122164), complete cds                                                                                | gb | BC033794.1 | 21707464 | uORF | MGC |
| Homo sapiens PC4 and SFRS1 interacting protein 2, mRNA (cDNA clone IMAGE5201705), complete cds                                                                                           | gb | BC033817.1 | 21708040 | uORF | MGC |

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| Homo sapiens nectin-like protein 1, mRNA (cDNA clone MGC45003 IMAGE5199627), complete cds                                                                             | gb | BC033819.1 | 21708057  | uORF | MGC |
| Homo sapiens numb homolog (Drosophila), mRNA (cDNA clone IMAGE5217787), complete cds                                                                                  | gb | BC033824.1 | 21707192  | uORF | MGC |
| Homo sapiens purinergic receptor P2X, ligand-gated ion channel, 4, transcript variant 1, mRNA (cDNA clone MGC45331 IMAGE5216449), complete cds                        | gb | BC033826.1 | 21707308  | uORF | MGC |
| Homo sapiens major histocompatibility complex, class II, DR beta 3, mRNA (cDNA clone MGC45344 IMAGE5216243), complete cds                                             | gb | BC033827.1 | 21707195  | uORF | MGC |
| Homo sapiens mitochondrial tumor suppressor gene 1, mRNA (cDNA clone MGC45415 IMAGE3921139), complete cds                                                             | gb | BC033842.1 | 21707212  | uORF | MGC |
| Homo sapiens likely ortholog of mouse Ia related protein, mRNA (cDNA clone IMAGE5123380), complete cds                                                                | gb | BC033856.1 | 21707495  | uORF | MGC |
| Homo sapiens branched chain aminotransferase 1, cytosolic, mRNA (cDNA clone MGC45234 IMAGE5186262), complete cds                                                      | gb | BC033864.1 | 21707321  | uORF | MGC |
| Homo sapiens Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide, mRNA (cDNA clone MGC45270 IMAGE5219148), complete cds                              | gb | BC033872.1 | 21708095  | uORF | MGC |
| Homo sapiens Ku70-binding protein 3, mRNA (cDNA clone IMAGE5742519), complete cds                                                                                     | gb | BC033881.1 | 21707510  | uORF | MGC |
| Homo sapiens hypothetical protein LOC374768, mRNA (cDNA clone MGC46279 IMAGE5742860), complete cds                                                                    | gb | BC033882.1 | 21707513  | uORF | MGC |
| Homo sapiens hypothetical protein MGC33974, mRNA (cDNA clone IMAGE4398317), complete cds                                                                              | gb | BC034014.1 | 21707585  | uORF | MGC |
| Homo sapiens potassium inwardly-rectifying channel, subfamily J, member 10, mRNA (cDNA clone MGC26386 IMAGE4811633), complete cds                                     | gb | BC034036.1 | 21706492  | uORF | MGC |
| Homo sapiens thymus expressed gene 3-like, mRNA (cDNA clone IMAGE4798318), complete cds                                                                               | gb | BC034052.1 | 21706514  | uORF | MGC |
| Homo sapiens cDNA clone MGC32713 IMAGE4691280, complete cds                                                                                                           | gb | BC034141.1 | 21707883  | uORF | MGC |
| Homo sapiens cDNA clone MGC32764 IMAGE4618950, complete cds                                                                                                           | gb | BC034146.1 | 21706894  | uORF | MGC |
| Homo sapiens H-rev107-like protein 5, mRNA (cDNA clone MGC39540 IMAGE5288703), complete cds                                                                           | gb | BC034222.1 | 21707988  | uORF | MGC |
| Homo sapiens hypothetical protein MGC39821, mRNA (cDNA clone MGC39821 IMAGE5299767), complete cds                                                                     | gb | BC034236.1 | 21707705  | uORF | MGC |
| Homo sapiens cartilage acidic protein 1, mRNA (cDNA clone MGC16989 IMAGE4178363), complete cds                                                                        | gb | BC034245.1 | 21706427  | uORF | MGC |
| Homo sapiens mRNA similar to LOC169679 (cDNA clone MGC9814 IMAGE3861303), complete cds                                                                                | gb | BC034247.1 | 21706387  | uORF | MGC |
| Homo sapiens, Similar to RIKEN cDNA 2900008N09 gene, clone MGC18227 IMAGE4156741, mRNA, complete cds                                                                  | gb | BC034275.1 | 21706412  | uORF | MGC |
| Homo sapiens amphipysin (StfH-Man syndrome with breast cancer 128kDa autoantigen), transcript variant 1, mRNA (cDNA clone MGC34636 IMAGE5181100), complete cds        | gb | BC034376.1 | 21707929  | uORF | MGC |
| Homo sapiens, Similar to LOC161981, clone MGC34748 IMAGE5172086, mRNA, complete cds                                                                                   | gb | BC034401.1 | 21707932  | uORF | MGC |
| Homo sapiens hypothetical protein FLJ23074, mRNA (cDNA clone MGC34146 IMAGE51649717), complete cds                                                                    | gb | BC034417.1 | 21707916  | uORF | MGC |
| Homo sapiens hypothetical protein FLJ11171, mRNA (cDNA clone MGC26159 IMAGE4824516), complete cds                                                                     | gb | BC034468.1 | 21759768  | uORF | MGC |
| Homo sapiens heat shock 70kDa protein 1-like, mRNA (cDNA clone MGC26463 IMAGE4824979), complete cds                                                                   | gb | BC034483.1 | 21759780  | uORF | MGC |
| Homo sapiens serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 8, mRNA (cDNA clone MGC24899 IMAGE4780455), complete cds                          | gb | BC034528.1 | 21961224  | uORF | MGC |
| Homo sapiens anillin, actin binding protein (scraps homolog, Drosophila), mRNA (cDNA clone IMAGE4753061), complete cds                                                | gb | BC034692.1 | 21961525  | uORF | MGC |
| Homo sapiens mRNA similar to RIKEN cDNA A030009B12 gene (cDNA clone MGC21382 IMAGE4746351), complete cds                                                              | gb | BC034696.1 | 21961210  | uORF | MGC |
| Homo sapiens peroxisomal D3.D2-enoyl-CoA isomerase, mRNA (cDNA clone MGC21088 IMAGE4750108), complete cds                                                             | gb | BC034702.1 | 21961201  | uORF | MGC |
| Homo sapiens ER-resident protein ERi45, mRNA (cDNA clone IMAGE4754810), complete cds                                                                                  | gb | BC034713.1 | 21961532  | uORF | MGC |
| Homo sapiens erythrocyte membrane protein band 4.1-like 2, mRNA (cDNA clone MGC9278 IMAGE3868832), complete cds                                                       | gb | BC034718.1 | 21961572  | uORF | MGC |
| Homo sapiens Ras-related GTP binding B, transcript variant RAGBs, mRNA (cDNA clone MGC8714 IMAGE3919252), complete cds                                                | gb | BC034726.1 | 22902146  | uORF | MGC |
| Homo sapiens ligand of numb-protein X, mRNA (cDNA clone MGC34088 IMAGE5194423), complete cds                                                                          | gb | BC034737.1 | 21961542  | uORF | MGC |
| Homo sapiens chromosome 6 open reading frame 10, mRNA (cDNA clone MGC34216 IMAGE5169157), complete cds                                                                | gb | BC034774.1 | 21961311  | uORF | MGC |
| Homo sapiens adenovirus 5 E1A binding protein, mRNA (cDNA clone MGC34429 IMAGE5171494), complete cds                                                                  | gb | BC034784.1 | 21961558  | uORF | MGC |
| Homo sapiens zinc finger, DHHC domain containing 19, mRNA (cDNA clone MGC35069 IMAGE5166386), complete cds                                                            | gb | BC034801.1 | 21961335  | uORF | MGC |
| Homo sapiens hypothetical telomeric gene, mRNA (cDNA clone MGC35014 IMAGE5164386), complete cds                                                                       | gb | BC034821.1 | 21961638  | uORF | MGC |
| Homo sapiens cartilage intermediate layer protein 2, mRNA (cDNA clone MGC45771 IMAGE4124496), complete cds                                                            | gb | BC034926.1 | 22028437  | uORF | MGC |
| Homo sapiens chromosome 10 open reading frame 64, mRNA (cDNA clone MGC45899 IMAGE5094342), complete cds                                                               | gb | BC034937.1 | 22028270  | uORF | MGC |
| Homo sapiens nucleosome assembly protein 1-like 3, mRNA (cDNA clone MGC26312 IMAGE4823724), complete cds                                                              | gb | BC034954.2 | 34194217  | uORF | MGC |
| Homo sapiens KIAA0893 protein, mRNA (cDNA clone MGC26714 IMAGE4823902), complete cds                                                                                  | gb | BC034964.2 | 34192455  | uORF | MGC |
| Homo sapiens hypothetical protein DKFZp761B1514, mRNA (cDNA clone MGC33270 IMAGE5267824), complete cds                                                                | gb | BC035006.2 | 34194276  | uORF | MGC |
| Homo sapiens family with sequence similarity 47, member B, mRNA (cDNA clone MGC33660 IMAGE4828379), complete cds                                                      | gb | BC035026.2 | 34783546  | uORF | MGC |
| Homo sapiens, serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1, clone MGC33758 IMAGE5262187, mRNA, complete cds                        | gb | BC035028.1 | 23273329  | uORF | MGC |
| Homo sapiens, GA binding protein transcription factor, alpha subunit 60kDa, clone MGC33827 IMAGE5264778, mRNA, complete cds                                           | gb | BC035031.1 | 23273942  | uORF | MGC |
| Homo sapiens neurogenic differentiation 6, mRNA (cDNA clone MGC41788 IMAGE5261681), complete cds                                                                      | gb | BC035048.2 | 34194333  | uORF | MGC |
| Homo sapiens RAB28, member RAS oncogene family, mRNA (cDNA clone MGC41862 IMAGE5263482), complete cds                                                                 | gb | BC035054.2 | 34191157  | uORF | MGC |
| Homo sapiens protein kinase, cAMP-dependent, catalytic, beta, mRNA (cDNA clone MGC41879 IMAGE5262372), complete cds                                                   | gb | BC035058.1 | 23272312  | uORF | MGC |
| Homo sapiens, Similar to G protein-coupled receptor 51, clone MGC43091 IMAGE5260138, mRNA, complete cds                                                               | gb | BC035071.1 | 23272433  | uORF | MGC |
| Homo sapiens thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian), mRNA (cDNA clone MGC43240 IMAGE5264048), complete cds | gb | BC035137.1 | 23243454  | uORF | MGC |
| Homo sapiens cDNA clone MGC43254 IMAGE5264460, complete cds                                                                                                           | gb | BC035143.1 | 23243251  | uORF | MGC |
| Homo sapiens pyruvate kinase, muscle, transcript variant 1, mRNA (cDNA clone MGC39389 IMAGE3859987), complete cds                                                     | gb | BC035198.1 | 23240026  | uORF | MGC |
| Homo sapiens fibrinodulin, mRNA (cDNA clone MGC34457 IMAGE5181410), complete cds                                                                                      | gb | BC035281.1 | 23271347  | uORF | MGC |
| Homo sapiens brik domain containing 1, mRNA (cDNA clone MGC21067 IMAGE4745524), complete cds                                                                          | gb | BC035314.1 | 22268136  | uORF | MGC |
| Homo sapiens cytoplasmic polyadenylation element binding protein 1, mRNA (cDNA clone MGC34136 IMAGE5195793), complete cds                                             | gb | BC035348.1 | 23273957  | uORF | MGC |
| Homo sapiens PTK2 protein tyrosine kinase 2, mRNA (cDNA clone MGC34721 IMAGE4999680), complete cds                                                                    | gb | BC035404.2 | 34786073  | uORF | MGC |
| Homo sapiens acylphosphatase 1, erythrocyte (common) type, mRNA (cDNA clone MGC40337 IMAGE5392248), complete cds                                                      | gb | BC035568.1 | 23274139  | uORF | MGC |
| Homo sapiens ecotropic viral integration site 2A, mRNA (cDNA clone MGC45142 IMAGE5229926), complete cds                                                               | gb | BC035572.1 | 23272678  | uORF | MGC |
| Homo sapiens hypothetical protein MGC45400, mRNA (cDNA clone MGC45400 IMAGE5405281), complete cds                                                                     | gb | BC035573.1 | 23272585  | uORF | MGC |
| Homo sapiens KIAA1280 protein, mRNA (cDNA clone IMAGE4447813), complete cds                                                                                           | gb | BC035601.1 | 23273444  | uORF | MGC |
| Homo sapiens hypothetical protein FLJ25410, mRNA (cDNA clone MGC45437 IMAGE5172555), complete cds                                                                     | gb | BC035619.1 | 23242698  | uORF | MGC |
| Homo sapiens protease inhibitor 16, mRNA (cDNA clone MGC45378 IMAGE5217121), complete cds                                                                             | gb | BC035634.1 | 23274193  | uORF | MGC |
| Homo sapiens amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein, mRNA (cDNA clone IMAGE5216297), complete cds                        | gb | BC035636.1 | 23272560  | uORF | MGC |
| Homo sapiens cDNA clone MGC46252 IMAGE5748161, complete cds                                                                                                           | gb | BC035680.1 | 23272774  | uORF | MGC |
| Homo sapiens hypothetical protein FLJ22405, mRNA (cDNA clone MGC46037 IMAGE5755887), complete cds                                                                     | gb | BC035690.1 | 23274205  | uORF | MGC |
| Homo sapiens solute carrier family 35 (UDP-galactose transporter), member A2, mRNA (cDNA clone MGC46152 IMAGE5749525), complete cds                                   | gb | BC035747.1 | 23274216  | uORF | MGC |
| Homo sapiens UDP-N-acetyl-alpha-D-galactosaminopolypeptide N-acetyl-galactosaminyltransferase 6 (GalNAc-T6), mRNA (cDNA clone MGC46032 IMAGE5552059), complete cds    | gb | BC035822.1 | 23274203  | uORF | MGC |
| Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 55, mRNA (cDNA clone IMAGE5493465), complete cds                                                                  | gb | BC035911.1 | 23273120  | uORF | MGC |
| Homo sapiens chloride intracellular channel 5, mRNA (cDNA clone MGC32580 IMAGE4611102), complete cds                                                                  | gb | BC035968.1 | 23273551  | uORF | MGC |
| Homo sapiens albumin, mRNA (cDNA clone MGC32581 IMAGE4714468), complete cds                                                                                           | gb | BC035969.1 | 23241674  | uORF | MGC |
| Homo sapiens glycanin 3, mRNA (cDNA clone MGC32604 IMAGE4603748), complete cds                                                                                        | gb | BC035972.1 | 23271173  | uORF | MGC |
| Homo sapiens PDZ domain protein GIPC2, mRNA (cDNA clone MGC33726 IMAGE5296057), complete cds                                                                          | gb | BC036075.1 | 23271287  | uORF | MGC |
| Homo sapiens myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 3, mRNA (cDNA clone MGC33789 IMAGE5298142), complete cds    | gb | BC036089.1 | 23273580  | uORF | MGC |
| Homo sapiens G antigen 8, mRNA (cDNA clone MGC33825 IMAGE5296612), complete cds                                                                                       | gb | BC036094.1 | 23273582  | uORF | MGC |
| Homo sapiens neurocalcin delta, mRNA (cDNA clone MGC33870 IMAGE5274150), complete cds                                                                                 | gb | BC036098.1 | 23271303  | uORF | MGC |
| Homo sapiens aryl-hydrocarbon receptor nuclear translocator 2, mRNA (cDNA clone MGC33872 IMAGE5275941), complete cds                                                  | gb | BC036099.1 | 23271920  | uORF | MGC |
| Homo sapiens heat shock 70kDa protein 2, mRNA (cDNA clone MGC33922 IMAGE5276121), complete cds                                                                        | gb | BC036107.1 | 23271311  | uORF | MGC |
| Homo sapiens hypothetical LOC255022, mRNA (cDNA clone MGC39514 IMAGE5262638), complete cds                                                                            | gb | BC036193.1 | 23271934  | uORF | MGC |
| Homo sapiens cDNA clone MGC39545 IMAGE5273873, complete cds                                                                                                           | gb | BC036197.1 | 23271938  | uORF | MGC |
| Homo sapiens copine III, mRNA (cDNA clone MGC39823 IMAGE5300530), complete cds                                                                                        | gb | BC036242.1 | 23242516  | uORF | MGC |
| Homo sapiens phospholipase D3, mRNA (cDNA clone MGC35422 IMAGE5189261), complete cds                                                                                  | gb | BC036327.1 | 23271402  | uORF | MGC |
| Homo sapiens BH3 interacting domain death agonist, mRNA (cDNA clone MGC42355 IMAGE4819949), complete cds                                                              | gb | BC036364.1 | 23274160  | uORF | MGC |
| Homo sapiens hypothetical protein FLJ22537, mRNA (cDNA clone MGC25997 IMAGE4825959), complete cds                                                                     | gb | BC036365.1 | 22135663  | uORF | MGC |
| Homo sapiens UDP-N-acetyl-alpha-D-galactosaminopolypeptide N-acetyl-galactosaminyltransferase 4 (GalNAc-T4), mRNA (cDNA clone MGC41784 IMAGE5261236), complete cds    | gb | BC036390.2 | 34192531  | uORF | MGC |
| Homo sapiens, similar to serine/threonine kinase (KIN1/SNF1/Nim1 subfamily), clone MGC42105 IMAGE4797792, mRNA, complete cds                                          | gb | BC036422.1 | 23025780  | uORF | MGC |
| Homo sapiens, SAM domain and HD domain, 1, clone MGC33043 IMAGE4816438, mRNA, complete cds                                                                            | gb | BC036450.1 | 22209035  | uORF | MGC |
| Homo sapiens formin-like 2, mRNA (cDNA clone IMAGE5262578), complete cds                                                                                              | gb | BC036492.2 | 34193784  | uORF | MGC |
| Homo sapiens cDNA clone MGC33996 IMAGE5260372, complete cds                                                                                                           | gb | BC036540.2 | 34190705  | uORF | MGC |
| Homo sapiens zinc finger, CCHC domain containing 12, mRNA (cDNA clone MGC41942 IMAGE5274563), complete cds                                                            | gb | BC036572.2 | 34783492  | uORF | MGC |
| Homo sapiens PTK2B protein tyrosine kinase 2 beta, transcript variant 1, mRNA (cDNA clone MGC26516 IMAGE4824966), complete cds                                        | gb | BC036651.2 | 34784997  | uORF | MGC |
| Homo sapiens Fc fragment of IgG, low affinity IIIa, receptor for (CD18), mRNA (cDNA clone MGC34195 IMAGE5206097), complete cds                                        | gb | BC036723.1 | 22477183  | uORF | MGC |
| Homo sapiens mRNA similar to RIKEN cDNA 261002809 gene (cDNA clone MGC46233 IMAGE5744127), complete cds                                                               | gb | BC036767.1 | 22477323  | uORF | MGC |
| Homo sapiens mRNA similar to GPI-gamma 4 (cDNA clone MGC46251 IMAGE5745817), complete cds                                                                             | gb | BC036784.1 | 22477328  | uORF | MGC |
| Homo sapiens FK506 binding protein 6, 36kDa, mRNA (cDNA clone MGC45980 IMAGE5744865), complete cds                                                                    | gb | BC036817.1 | 22477286  | uORF | MGC |
| Homo sapiens hypothetical protein MGC46496, mRNA (cDNA clone MGC46496 IMAGE5226859), complete cds                                                                     | gb | BC036870.1 | 22477387  | uORF | MGC |
| Homo sapiens cDNA clone MGC46300 IMAGE5164270, complete cds                                                                                                           | gb | BC036910.1 | 22477338  | uORF | MGC |
| Homo sapiens chromosome 6 open reading frame 141, mRNA (cDNA clone MGC46457 IMAGE5201433), complete cds                                                               | gb | BC036917.1 | 22477372  | uORF | MGC |
| Homo sapiens chromosome 9 open reading frame 150, mRNA (cDNA clone MGC46502 IMAGE5228515), complete cds                                                               | gb | BC036923.1 | 23331168  | uORF | MGC |
| Homo sapiens retinal short chain dehydrogenase reductase, mRNA (cDNA clone MGC33530 IMAGE5181472), complete cds                                                       | gb | BC037219.1 | 22713433  | uORF | MGC |
| Homo sapiens FERM domain containing 3, mRNA (cDNA clone MGC35064 IMAGE5186212), complete cds                                                                          | gb | BC037253.1 | 22713608  | uORF | MGC |
| Homo sapiens hypothetical protein FLJ20255, mRNA (cDNA clone MGC33006 IMAGE4825529), complete cds                                                                     | gb | BC037278.1 | 22713398  | uORF | MGC |
| Homo sapiens cDNA clone MGC43101 IMAGE5260413, complete cds                                                                                                           | gb | BC037322.1 | 22713472  | uORF | MGC |
| Homo sapiens guanine nucleotide binding protein (G protein), alpha 3 polypeptide, mRNA (cDNA clone MGC43258 IMAGE5246442), complete cds                               | gb | BC037333.1 | 23336957  | uORF | MGC |
| Homo sapiens cDNA clone IMAGE5206729, complete cds                                                                                                                    | gb | BC037547.1 | 22902187  | uORF | MGC |
| Homo sapiens hypothetical protein MGC15875, mRNA (cDNA clone MGC45484 IMAGE5220434), complete cds                                                                     | gb | BC037567.1 | 22902220  | uORF | MGC |
| Homo sapiens hypothetical protein FLJ11017, mRNA (cDNA clone MGC43960 IMAGE5276648), complete cds                                                                     | gb | BC037906.1 | 23138824  | uORF | MGC |
| Homo sapiens membrane protein, palmitoylated 7 (MAQUK p55 subfamily member 7), mRNA (cDNA clone MGC33230 IMAGE5269151), complete cds                                  | gb | BC038105.2 | 34190548  | uORF | MGC |
| Homo sapiens c-Maf-inducing protein, mRNA (cDNA clone MGC34018 IMAGE4818904), complete cds                                                                            | gb | BC038113.1 | 23271323  | uORF | MGC |
| Homo sapiens cyclin L1, mRNA (cDNA clone IMAGE4342552), complete cds                                                                                                  | gb | BC038394.1 | 23468207  | uORF | MGC |
| Homo sapiens zinc finger protein 533, mRNA (cDNA clone MGC35955 IMAGE5165975), complete cds                                                                           | gb | BC038422.1 | 23468355  | uORF | MGC |
| Homo sapiens SNF1-like kinase, mRNA (cDNA clone MGC33415 IMAGE4831049), complete cds                                                                                  | gb | BC038504.1 | 23620491  | uORF | MGC |
| Homo sapiens Down syndrome critical region gene 1-like 1, mRNA (cDNA clone MGC41855 IMAGE5259147), complete cds                                                       | gb | BC038509.1 | 23620411  | uORF | MGC |
| Homo sapiens cDNA clone MGC45100 IMAGE5229455, complete cds                                                                                                           | gb | BC038583.1 | 24047219  | uORF | MGC |
| Homo sapiens pleckstrin homology, Sec7 and coiled-coil domains 2 (cytohesin-2), transcript variant 1, mRNA (cDNA clone MGC41793 IMAGE5269719), complete cds           | gb | BC038713.1 | 24324831  | uORF | MGC |
| Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3F, mRNA (cDNA clone MGC46498 IMAGE5227163), complete cds                               | gb | BC038808.1 | 24416442  | uORF | MGC |
| Homo sapiens mesenchymal stem cell protein DSC54, mRNA (cDNA clone MGC47873 IMAGE5170587), complete cds                                                               | gb | BC038838.1 | 24416468  | uORF | MGC |
| Homo sapiens gap junction protein, beta 6 (connexin 30), mRNA (cDNA clone MGC45195 IMAGE5196769), complete cds                                                        | gb | BC038934.1 | 24660316  | uORF | MGC |
| Homo sapiens component of oligomeric golgi complex 3, mRNA (cDNA clone MGC47545 IMAGE5756412), complete cds                                                           | gb | BC038953.1 | 24659401  | uORF | MGC |
| Homo sapiens Rho GTPase activating protein 15, mRNA (cDNA clone MGC47639 IMAGE5553184), complete cds                                                                  | gb | BC038976.1 | 246559423 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE5756922, complete cds                                                                                                                    | gb | BC038983.1 | 24659444  | uORF | MGC |
| Homo sapiens fragile X mental retardation 1, mRNA (cDNA clone IMAGE6061671), complete cds                                                                             | gb | BC038998.1 | 246558647 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ13150, mRNA (cDNA clone MGC47579 IMAGE5744281), complete cds                                                                     | gb | BC039014.1 | 246559228 | uORF | MGC |
| Homo sapiens zeta-chain (TCR) associated protein kinase 70kDa, mRNA (cDNA clone MGC35123 IMAGE5168073), complete cds                                                  | gb | BC039039.1 | 24657845  | uORF | MGC |
| Homo sapiens calmodulin-like 5, mRNA (cDNA clone MGC20994 IMAGE4753280), complete cds                                                                                 | gb | BC039172.1 | 24657604  | uORF | MGC |
| Homo sapiens nuclear transcription factor Y, alpha, mRNA (cDNA clone MGC32974 IMAGE5270842), complete cds                                                             | gb | BC039244.1 | 24660183  | uORF | MGC |

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| Homo sapiens NACHT, leucine rich repeat and PYD containing 2, mRNA (cDNA clone MGC33950 IMAGE5298283), complete cds                                                                 | gb | BC039269.1 | 24660213 | uORF | MGC |
| Homo sapiens paralectmin 2, mRNA (cDNA clone MGC39604 IMAGE5260371), complete cds                                                                                                   | gb | BC039306.1 | 24660273 | uORF | MGC |
| Homo sapiens NYD-SP28 protein, mRNA (cDNA clone MGC41762 IMAGE5271866), complete cds                                                                                                | gb | BC039317.1 | 24665042 | uORF | MGC |
| Homo sapiens carboxypeptidase A5, mRNA (cDNA clone MGC43648 IMAGE5270617), complete cds                                                                                             | gb | BC039362.1 | 25050206 | uORF | MGC |
| Homo sapiens abhydrolase domain containing 1, transcript variant 1, mRNA (cDNA clone MGC48700 IMAGE5744853), complete cds                                                           | gb | BC039576.1 | 24660060 | uORF | MGC |
| Homo sapiens paraneoplastic antigen MA1, mRNA (cDNA clone MGC48703 IMAGE431875), complete cds                                                                                       | gb | BC039577.1 | 24658773 | uORF | MGC |
| Homo sapiens dynein, axonemal, intermediate polypeptide 2, mRNA (cDNA clone MGC48740 IMAGE5752153), complete cds                                                                    | gb | BC039582.1 | 24660401 | uORF | MGC |
| Homo sapiens tubulin-specific chaperone d, mRNA (cDNA clone MGC45847 IMAGE4865367), complete cds                                                                                    | gb | BC039654.1 | 24901260 | uORF | MGC |
| Homo sapiens translokin, mRNA (cDNA clone MGC47657 IMAGE5415088), complete cds                                                                                                      | gb | BC039711.1 | 24980788 | uORF | MGC |
| Homo sapiens RIO kinase 3 (yeast), mRNA (cDNA clone MGC47736 IMAGE5745005), complete cds                                                                                            | gb | BC039729.1 | 24981028 | uORF | MGC |
| Homo sapiens preferentially expressed antigen in melanoma, transcript variant 2, mRNA (cDNA clone MGC47530 IMAGE5744328), complete cds                                              | gb | BC039731.1 | 25123206 | uORF | MGC |
| Homo sapiens hypothetical protein DKFZp761B1514, mRNA (cDNA clone MGC47557 IMAGE6042926), complete cds                                                                              | gb | BC039734.1 | 24981017 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ11273, mRNA (cDNA clone MGC47633 IMAGE6066301), complete cds                                                                                   | gb | BC039741.2 | 34194508 | uORF | MGC |
| Homo sapiens zinc finger protein 265, transcript variant 2, mRNA (cDNA clone MGC48676 IMAGE8062647), complete cds                                                                   | gb | BC039814.1 | 24980808 | uORF | MGC |
| Homo sapiens male germ cell-associated kinase, mRNA (cDNA clone MGC48725 IMAGE5167621), complete cds                                                                                | gb | BC039825.1 | 24981043 | uORF | MGC |
| Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 6, mRNA (cDNA clone IMAGE5582799), complete cds                                                                                 | gb | BC039826.1 | 24981046 | uORF | MGC |
| Homo sapiens chromosome 20 open reading frame 9, mRNA (cDNA clone MGC48784 IMAGE6095634), complete cds                                                                              | gb | BC039831.1 | 24980823 | uORF | MGC |
| Homo sapiens periplakin 1, transcript variant 5, mRNA (cDNA clone MGC48786 IMAGE6051282), complete cds                                                                              | gb | BC039832.1 | 24981052 | uORF | MGC |
| Homo sapiens chromosome 6 open reading frame 117, mRNA (cDNA clone MGC48925 IMAGE3850270), complete cds                                                                             | gb | BC039855.1 | 24980483 | uORF | MGC |
| Homo sapiens Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6, mRNA (cDNA clone MGC48931 IMAGE4510206), complete cds                                                            | gb | BC039856.1 | 24981064 | uORF | MGC |
| Homo sapiens KIA00779 protein, mRNA (cDNA clone MGC48954 IMAGE5527623), complete cds                                                                                                | gb | BC039859.1 | 24980489 | uORF | MGC |
| Homo sapiens breast cancer anti-estrogen resistance 3, mRNA (cDNA clone MGC47777 IMAGE6060541), complete cds                                                                        | gb | BC039895.1 | 25055834 | uORF | MGC |
| Homo sapiens zinc finger protein 610, mRNA (cDNA clone MGC47801 IMAGE6049284), complete cds                                                                                         | gb | BC039903.2 | 34193003 | uORF | MGC |
| Homo sapiens histone deacetylase 4, mRNA (cDNA clone MGC47583 IMAGE6067363), complete cds                                                                                           | gb | BC039904.1 | 25055822 | uORF | MGC |
| Homo sapiens chromosome 9 open reading frame 76, mRNA (cDNA clone MGC48732 IMAGE5554889), complete cds                                                                              | gb | BC039999.2 | 34194527 | uORF | MGC |
| Homo sapiens hypothetical protein MGC49942, mRNA (cDNA clone MGC49942 IMAGE5406966), complete cds                                                                                   | gb | BC040036.1 | 25123228 | uORF | MGC |
| Homo sapiens methionine sulfoxide reductase B3, mRNA (cDNA clone MGC50900 IMAGE6025598), complete cds                                                                               | gb | BC040053.1 | 25123198 | uORF | MGC |
| Homo sapiens calcitonin gene-related peptide-receptor component protein, mRNA (cDNA clone MGC48670 IMAGE5585294), complete cds                                                      | gb | BC040107.1 | 25304074 | uORF | MGC |
| Homo sapiens cDNA clone MGC48843 IMAGE5184259, complete cds                                                                                                                         | gb | BC040138.2 | 34193025 | uORF | MGC |
| Homo sapiens nuclear receptor subfamily 2, group C, member 1, mRNA (cDNA clone MGC48851 IMAGE5183723), complete cds                                                                 | gb | BC040141.1 | 25304018 | uORF | MGC |
| Homo sapiens dolichyl pyrophosphate phosphatase 1, mRNA (cDNA clone IMAGE5752769), complete cds                                                                                     | gb | BC040152.1 | 25304088 | uORF | MGC |
| Homo sapiens hypothetical protein BC017335, mRNA (cDNA clone MGC41963 IMAGE4791980), complete cds                                                                                   | gb | BC040173.1 | 25455691 | uORF | MGC |
| Homo sapiens cDNA clone MGC42059 IMAGE4796448, complete cds                                                                                                                         | gb | BC040177.2 | 34193009 | uORF | MGC |
| Homo sapiens cAMP-regulated guanine nucleotide exchange factor II, mRNA (cDNA clone MGC42189 IMAGE4801092), complete cds                                                            | gb | BC040183.2 | 34193016 | uORF | MGC |
| Homo sapiens hypothetical protein DKFZp727G131, mRNA (cDNA clone MGC36754 IMAGE5166971), complete cds                                                                               | gb | BC040214.1 | 25955551 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE5181568, complete cds                                                                                                                                  | gb | BC040272.1 | 25955529 | uORF | MGC |
| Homo sapiens hypothetical protein DKFZp586M1120, mRNA (cDNA clone MGC34123 IMAGE5172360), complete cds                                                                              | gb | BC040276.1 | 25955687 | uORF | MGC |
| Homo sapiens hypothetical protein MGC34732, mRNA (cDNA clone MGC34732 IMAGE5166625), complete cds                                                                                   | gb | BC040280.1 | 25955525 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ23322, mRNA (cDNA clone MGC21496 IMAGE3873448), complete cds                                                                                   | gb | BC040351.1 | 25955667 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ336090, mRNA (cDNA clone MGC39578 IMAGE4837992), complete cds                                                                                  | gb | BC040527.1 | 26251992 | uORF | MGC |
| Homo sapiens proprotein convertase subtilisin/kexin type 2, mRNA (cDNA clone MGC39745 IMAGE5284427), complete cds                                                                   | gb | BC040546.1 | 26252122 | uORF | MGC |
| Homo sapiens hypothetical protein MGC39827, mRNA (cDNA clone MGC39827 IMAGE5301593), complete cds                                                                                   | gb | BC040553.1 | 26251791 | uORF | MGC |
| Homo sapiens dynein 2 light intermediate chain, mRNA (cDNA clone IMAGE5268633), complete cds                                                                                        | gb | BC040558.1 | 26252193 | uORF | MGC |
| Homo sapiens, clone MGC43690 IMAGE5271254, mRNA, complete cds                                                                                                                       | gb | BC040606.1 | 26252017 | uORF | MGC |
| Homo sapiens leucine rich repeat containing 3B, mRNA (cDNA clone MGC42127 IMAGE4798356), complete cds                                                                               | gb | BC040656.1 | 26996695 | uORF | MGC |
| Homo sapiens CD53 antigen, mRNA (cDNA clone MGC49823 IMAGE5498854), complete cds                                                                                                    | gb | BC040693.1 | 26251883 | uORF | MGC |
| Homo sapiens smooth muscle myosin heavy chain 11 isoform SM1-like, mRNA (cDNA clone IMAGE6062607), complete cds                                                                     | gb | BC040721.1 | 26251917 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ36748, mRNA (cDNA clone MGC50941 IMAGE6065491), complete cds                                                                                   | gb | BC040723.2 | 34193054 | uORF | MGC |
| Homo sapiens HT017 protein, mRNA (cDNA clone MGC50257 IMAGE5223743), complete cds                                                                                                   | gb | BC040732.1 | 26251922 | uORF | MGC |
| Homo sapiens synaptotagmin binding, cytoplasmic RNA interacting protein, mRNA (cDNA clone MGC49819 IMAGE4513184), complete cds                                                      | gb | BC040844.1 | 26454827 | uORF | MGC |
| Homo sapiens hypothetical protein similar to preferentially expressed antigen of melanoma, mRNA (cDNA clone IMAGE5743999), complete cds                                             | gb | BC040902.1 | 26454770 | uORF | MGC |
| Homo sapiens hypothetical protein HSPC148, mRNA (cDNA clone MGC48787 IMAGE606745), complete cds                                                                                     | gb | BC040946.1 | 26454882 | uORF | MGC |
| Homo sapiens MADS box transcription enhancer factor 2, polypeptide D (myocyte enhancer factor 2D), mRNA (cDNA clone MGC48824 IMAGE6044434), complete cds                            | gb | BC040949.1 | 26454734 | uORF | MGC |
| Homo sapiens bactericidal/permeability-increasing protein, mRNA (cDNA clone MGC48884 IMAGE5218655), complete cds                                                                    | gb | BC040955.1 | 27155084 | uORF | MGC |
| Homo sapiens cytosolic sialic acid 9-O-acetyltransferase homolog, mRNA (cDNA clone IMAGE5751560), complete cds                                                                      | gb | BC040966.1 | 26454866 | uORF | MGC |
| Homo sapiens chromosome 9 open reading frame 25, mRNA (cDNA clone MGC44061 IMAGE5284905), complete cds                                                                              | gb | BC041009.2 | 34193121 | uORF | MGC |
| Homo sapiens mutS homolog 5 (E. coli), mRNA (cDNA clone MGC52249 IMAGE4591368), complete cds                                                                                        | gb | BC041031.1 | 26996738 | uORF | MGC |
| Homo sapiens immunoglobulin heavy constant mu, mRNA (cDNA clone MGC52291 IMAGE4765763), complete cds                                                                                | gb | BC041037.1 | 27370812 | uORF | MGC |
| Homo sapiens cDNA clone MGC52171 IMAGE4040117, complete cds                                                                                                                         | gb | BC041082.1 | 26996644 | uORF | MGC |
| Homo sapiens nudix (nucleoside diphosphate linked moiety X)-type motif 12, mRNA (cDNA clone MGC46006 IMAGE5495144), complete cds                                                    | gb | BC041099.1 | 26996803 | uORF | MGC |
| Homo sapiens RAS-like, family 10, member B, mRNA (cDNA clone MGC47540 IMAGE5762715), complete cds                                                                                   | gb | BC041133.1 | 26996781 | uORF | MGC |
| Homo sapiens acyl-Coenzyme A binding domain containing 4, mRNA (cDNA clone MGC47581 IMAGE5769682), complete cds                                                                     | gb | BC041143.1 | 26996541 | uORF | MGC |
| Homo sapiens thromboxane A synthase 1 [platelet, cytochrome P450, family 5, subfamily A], transcript variant TXS-1, mRNA (cDNA clone MGC48726 IMAGE5755195), complete cds           | gb | BC041157.1 | 27371225 | uORF | MGC |
| Homo sapiens cytochrome P450, family 4, subfamily A, polypeptide 11, mRNA (cDNA clone MGC48730 IMAGE5183289), complete cds                                                          | gb | BC041158.1 | 27552844 | uORF | MGC |
| Homo sapiens sphingomyelin phosphodiesterase 1, acid lysosomal (acid sphingomyelinase), mRNA (cDNA clone MGC48856 IMAGE5762229), complete cds                                       | gb | BC041164.1 | 27370708 | uORF | MGC |
| Homo sapiens cytochrome P450, family 2, subfamily B, polypeptide 7 pseudogene, mRNA (cDNA clone MGC48995 IMAGE5751779), complete cds                                                | gb | BC041174.1 | 27371229 | uORF | MGC |
| Homo sapiens hypothetical protein DKFZp761P1121, mRNA (cDNA clone MGC41927 IMAGE5284126), complete cds                                                                              | gb | BC041339.1 | 27371220 | uORF | MGC |
| Homo sapiens ubiquitin specific protease 2, mRNA (cDNA clone MGC43844 IMAGE5273400), complete cds                                                                                   | gb | BC041366.2 | 34193195 | uORF | MGC |
| Homo sapiens nuclear receptor subfamily 2, group E, member 3, mRNA (cDNA clone MGC49976 IMAGE3876974), complete cds                                                                 | gb | BC041421.1 | 27371231 | uORF | MGC |
| Homo sapiens oxysterol binding protein-like 1A, mRNA (cDNA clone IMAGE5922907), complete cds                                                                                        | gb | BC041563.1 | 27370965 | uORF | MGC |
| Homo sapiens mRNA similar to ubiquitin UBF-1 (cDNA clone MGC52307 IMAGE5814191), complete cds                                                                                       | gb | BC041615.1 | 27370963 | uORF | MGC |
| Homo sapiens DIX domain containing 1, mRNA (cDNA clone IMAGE4554923), partial cds                                                                                                   | gb | BC041626.1 | 27370969 | uORF | MGC |
| Homo sapiens squamous cell carcinoma antigen recognised by T cells 3, mRNA (cDNA clone IMAGE4844061), complete cds                                                                  | gb | BC041638.1 | 27371321 | uORF | MGC |
| Homo sapiens double C2-like domains, alpha, mRNA (cDNA clone MGC26404 IMAGE4819032), complete cds                                                                                   | gb | BC041769.1 | 27469802 | uORF | MGC |
| Homo sapiens glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding), mRNA (cDNA clone MGC32881 IMAGE4738372), complete cds                   | gb | BC041788.1 | 27469805 | uORF | MGC |
| Homo sapiens kelch domain containing 3, mRNA (cDNA clone MGC34006 IMAGE5288540), complete cds                                                                                       | gb | BC041793.1 | 27469390 | uORF | MGC |
| Homo sapiens similar to RIKEN 181005620, mRNA (cDNA clone MGC48612 IMAGE4829356), complete cds                                                                                      | gb | BC042036.1 | 27469510 | uORF | MGC |
| Homo sapiens hypothetical protein LOC255330, mRNA (cDNA clone MGC48649 IMAGE4828419), complete cds                                                                                  | gb | BC042038.1 | 27469826 | uORF | MGC |
| Homo sapiens dual specificity phosphatase 16, mRNA (cDNA clone MGC50665 IMAGE4400399), complete cds                                                                                 | gb | BC042101.1 | 27469788 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ34512, mRNA (cDNA clone MGC50726 IMAGE5177109), complete cds                                                                                   | gb | BC042110.1 | 27469580 | uORF | MGC |
| Homo sapiens potassium intermediate/small conductance calcium-activated channel, subfamily N, member 3, transcript variant 2, mRNA (cDNA clone MGC52352 IMAGE3619576), complete cds | gb | BC042147.1 | 27503834 | uORF | MGC |
| Homo sapiens duodulin 2, mRNA (cDNA clone MGC52186 IMAGE4586693), complete cds                                                                                                      | gb | BC042150.1 | 27769109 | uORF | MGC |
| Homo sapiens CG9886-like, mRNA (cDNA clone MGC52312 IMAGE4577225), complete cds                                                                                                     | gb | BC042151.1 | 27503831 | uORF | MGC |
| Homo sapiens trafficking protein particle complex 5, mRNA (cDNA clone MGC52424 IMAGE4869377), complete cds                                                                          | gb | BC042161.1 | 27503837 | uORF | MGC |
| Homo sapiens similar to CG10671-like, mRNA (cDNA clone IMAGE5225142), complete cds                                                                                                  | gb | BC042179.1 | 27503388 | uORF | MGC |
| Homo sapiens malonyl-CoA:acyl carrier protein transacylase (malonyltransferase), mRNA (cDNA clone MGC47838 IMAGE6052380), complete cds                                              | gb | BC042195.1 | 27502988 | uORF | MGC |
| Homo sapiens F-box protein 21, mRNA (cDNA clone MGC48901 IMAGE5195515), complete cds                                                                                                | gb | BC042333.1 | 27503436 | uORF | MGC |
| Homo sapiens potassium channel tetramerisation domain containing 7, mRNA (cDNA clone MGC34731 IMAGE5165722), complete cds                                                           | gb | BC042482.1 | 27503737 | uORF | MGC |
| Homo sapiens putative NFkB activating protein, mRNA (cDNA clone MGC25206 IMAGE4750645), complete cds                                                                                | gb | BC042606.1 | 27768951 | uORF | MGC |
| Homo sapiens LUC7-like 2 (S. cerevisiae), mRNA (cDNA clone MGC35315 IMAGE5178074), complete cds                                                                                     | gb | BC042625.1 | 27503743 | uORF | MGC |
| Homo sapiens phospholipase B1, mRNA (cDNA clone MGC35447 IMAGE5191712), complete cds                                                                                                | gb | BC042674.1 | 27503748 | uORF | MGC |
| Homo sapiens proteasome (prosome, macropain) subunit, alpha type, 8, mRNA (cDNA clone MGC51028 IMAGE5268996), complete cds                                                          | gb | BC042820.1 | 27503800 | uORF | MGC |
| Homo sapiens SH3-domain GRB2-like 3, mRNA (cDNA clone MGC50977 IMAGE5297874), complete cds                                                                                          | gb | BC042864.1 | 27503295 | uORF | MGC |
| Homo sapiens coactosin-like 1 (Dictyostelium), mRNA (cDNA clone MGC44222 IMAGE5288618), complete cds                                                                                | gb | BC042970.1 | 27695620 | uORF | MGC |
| Homo sapiens chromosome 7 open reading frame 31, mRNA (cDNA clone MGC44410 IMAGE5297014), complete cds                                                                              | gb | BC043269.2 | 34783363 | uORF | MGC |
| Homo sapiens ubiquitin-like 4, mRNA (cDNA clone MGC49894 IMAGE6058941), complete cds                                                                                                | gb | BC043346.2 | 34783505 | uORF | MGC |
| Homo sapiens retinitis pigmentosa 2 (X-linked recessive), mRNA (cDNA clone MGC49904 IMAGE5520795), complete cds                                                                     | gb | BC043348.2 | 34194534 | uORF | MGC |
| Homo sapiens TAF7-like RNA polymerase II, TATA box binding protein (TBP)-associated factor, 50kDa, mRNA (cDNA clone MGC50682 IMAGE6154641), complete cds                            | gb | BC043391.1 | 27694371 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ31978, mRNA (cDNA clone MGC50112 IMAGE5168267), complete cds                                                                                   | gb | BC043528.1 | 27694526 | uORF | MGC |
| Homo sapiens mRNA similar to potassium voltage-gated channel, shaker-related subfamily, member 2 (cDNA clone MGC50217 IMAGE5212949), complete cds                                   | gb | BC043564.1 | 28175208 | uORF | MGC |
| Homo sapiens keratin, hair, acidic, 6, mRNA (cDNA clone MGC50268 IMAGE5227645), complete cds                                                                                        | gb | BC043581.1 | 27694302 | uORF | MGC |
| Homo sapiens methyl-CpG binding domain protein 3, mRNA (cDNA clone MGC50958 IMAGE6156267), complete cds                                                                             | gb | BC043619.1 | 27694448 | uORF | MGC |
| Homo sapiens interleukin 18 binding protein, mRNA (cDNA clone MGC49873 IMAGE5755934), complete cds                                                                                  | gb | BC044215.1 | 28278659 | uORF | MGC |
| Homo sapiens MHC class I polypeptide-related sequence B, mRNA (cDNA clone MGC49933 IMAGE6025523), complete cds                                                                      | gb | BC044218.1 | 28277160 | uORF | MGC |
| Homo sapiens mRNA similar to hypothetical protein FLJ25555 (cDNA clone MGC50828 IMAGE5750538), complete cds                                                                         | gb | BC044239.1 | 28277419 | uORF | MGC |
| Homo sapiens hypothetical protein LOC285927, mRNA (cDNA clone MGC50833 IMAGE5753714), complete cds                                                                                  | gb | BC044242.1 | 28278626 | uORF | MGC |
| Homo sapiens pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 3, mRNA (cDNA clone MGC57118 IMAGE5262097), complete cds                    | gb | BC044567.1 | 27825553 | uORF | MGC |
| Homo sapiens SEC31-like 2 (S. cerevisiae), transcript variant 2, mRNA (cDNA clone IMAGE5298766), complete cds                                                                       | gb | BC044569.1 | 27820207 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ10948, mRNA (cDNA clone MGC57155 IMAGE5314083), complete cds                                                                                   | gb | BC044574.1 | 28278544 | uORF | MGC |
| Homo sapiens tryptophanyl tRNA synthetase 2 (mitochondrial), transcript variant 1, mRNA (cDNA clone MGC57158 IMAGE5287131), complete cds                                            | gb | BC044575.1 | 28278716 | uORF | MGC |
| Homo sapiens DnaJ (Hsp40) homolog, subfamily C, member 4, mRNA (cDNA clone MGC57189 IMAGE4811478), complete cds                                                                     | gb | BC044584.1 | 27882380 | uORF | MGC |
| Homo sapiens ROD1 regulator of differentiation 1 (S. pombe), mRNA (cDNA clone MGC57192 IMAGE5295452), complete cds                                                                  | gb | BC044585.1 | 27882559 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ30656, mRNA (cDNA clone MGC57206 IMAGE4794614), complete cds                                                                                   | gb | BC044587.1 | 27882562 | uORF | MGC |
| Homo sapiens ARP3 actin-related protein 3 homolog (yeast), mRNA (cDNA clone MGC57216 IMAGE5261640), complete cds                                                                    | gb | BC044590.1 | 27882035 | uORF | MGC |
| Homo sapiens Bardet-Biedl syndrome 5, mRNA (cDNA clone MGC57229 IMAGE5272889), complete cds                                                                                         | gb | BC044593.1 | 27882383 | uORF | MGC |
| Homo sapiens glycoprotein M6A, transcript variant 2, mRNA (cDNA clone MGC57374 IMAGE5259851), complete cds                                                                          | gb | BC044612.1 | 28278169 | uORF | MGC |
| Homo sapiens vacuolar protein sorting 41 (yeast), transcript variant 1, mRNA (cDNA clone MGC42423 IMAGE4822048), complete cds                                                       | gb | BC044851.1 | 28278744 | uORF | MGC |
| Homo sapiens F-box and leucine-rich repeat protein 21, mRNA (cDNA clone IMAGE519001), complete cds                                                                                  | gb | BC044938.1 | 27924313 | uORF | MGC |
| Homo sapiens zinc finger protein 620, mRNA (cDNA clone IMAGE5754368), partial cds                                                                                                   | gb | BC044953.1 | 27924316 | uORF | MGC |
| Homo sapiens histidyl-tRNA synthetase 2, mRNA (cDNA clone MGC41905 IMAGE5294744), complete cds                                                                                      | gb | BC045167.2 | 34193382 | uORF | MGC |
| Homo sapiens LSM8 homolog, U6 small nuclear RNA associated (S. cerevisiae), mRNA (cDNA clone MGC57115 IMAGE5268365), complete cds                                                   | gb | BC045532.1 | 28279735 | uORF | MGC |
| Homo sapiens chromosome 1 open reading frame 25, mRNA (cDNA clone MGC57134 IMAGE5296208), complete cds                                                                              | gb | BC045535.1 | 28279738 | uORF | MGC |
| Homo sapiens glutamate receptor, ionotropic, AMPA 4, mRNA (cDNA clone IMAGE5265048), complete cds                                                                                   | gb | BC045546.1 | 28278553 | uORF | MGC |
| Homo sapiens mRNA similar to sorting nexin 6 (cDNA clone MGC57276 IMAGE4815203), complete cds                                                                                       | gb | BC045563.1 | 28278535 | uORF | MGC |
| Homo sapiens nidogen (enactin), mRNA (cDNA clone MGC33141 IMAGE5271590), complete cds                                                                                               | gb | BC045606.1 | 28374138 | uORF | MGC |

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| Homo sapiens glutamine-fructose-6-phosphate transaminase 1, mRNA (cDNA clone MGC41887 IMAGE5298728), complete cds                                                  | gb | BC045641.1 | 28277072 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ32685, mRNA (cDNA clone MGC48644 IMAGE481808), complete cds                                                                   | gb | BC045758.1 | 28279061 | uORF | MGC |
| Homo sapiens laeverin, mRNA (cDNA clone IMAGE4824399), complete cds                                                                                                | gb | BC045809.1 | 28279083 | uORF | MGC |
| Homo sapiens dynein, axonemal, light intermediate polypeptide 1, mRNA (cDNA clone MGC57560 IMAGE6192652), complete cds                                             | gb | BC046117.1 | 28374251 | uORF | MGC |
| Homo sapiens transmembrane protein 34, mRNA (cDNA clone MGC57601 IMAGE5750613), complete cds                                                                       | gb | BC046128.1 | 28374250 | uORF | MGC |
| Homo sapiens UDP-N-acetyl-alpha-D-galactosaminopolypeptide N-acetyl/galactosaminyltransferase 7 (GalNAc-T7), mRNA (cDNA clone MGC57606 IMAGE4442080), complete cds | gb | BC046129.1 | 28372288 | uORF | MGC |
| Homo sapiens target of myb1 (chicken), mRNA (cDNA clone MGC57674 IMAGE6470390), complete cds                                                                       | gb | BC046151.1 | 28374254 | uORF | MGC |
| Homo sapiens selenoprotein P, plasma, 1, mRNA (cDNA clone MGC57675 IMAGE6192976), complete cds                                                                     | gb | BC046152.1 | 28374452 | uORF | MGC |
| Homo sapiens Similar to RIKEN cDNA 2700049P18 gene, mRNA (cDNA clone MGC57827 IMAGE6064384), complete cds                                                          | gb | BC046199.1 | 28278552 | uORF | MGC |
| Homo sapiens interferon induced with helicase C domain 1, mRNA (cDNA clone IMAGE6176741), complete cds                                                             | gb | BC046208.1 | 28279330 | uORF | MGC |
| Homo sapiens hypothetical protein MGC35402, mRNA (cDNA clone MGC35402 IMAGE6186884), complete cds                                                                  | gb | BC046449.1 | 28279394 | uORF | MGC |
| Homo sapiens solute carrier family 37 (glycerol-3-phosphate transporter), member 3, mRNA (cDNA clone MGC47556 IMAGE5246993), complete cds                          | gb | BC046567.1 | 28302323 | uORF | MGC |
| Homo sapiens KIAA1983 protein, mRNA (cDNA clone MGC50861 IMAGE5766933), complete cds                                                                               | gb | BC046645.1 | 28302160 | uORF | MGC |
| Homo sapiens FGH and double SH3 domains 1, mRNA (cDNA clone MGC54314 IMAGE5215830), complete cds                                                                   | gb | BC047016.1 | 28422699 | uORF | MGC |
| Homo sapiens mRNA similar to immunoglobulin superfamily, member 4 (cDNA clone MGC51880 IMAGE5248100), complete cds                                                 | gb | BC047021.1 | 28422551 | uORF | MGC |
| Homo sapiens hypothetical protein MGC13272, mRNA (cDNA clone MGC54100 IMAGE5248424), complete cds                                                                  | gb | BC047022.1 | 28422683 | uORF | MGC |
| Homo sapiens Rab9 effector p40, mRNA (cDNA clone MGC54224 IMAGE5396980), complete cds                                                                              | gb | BC047023.1 | 28422691 | uORF | MGC |
| Homo sapiens uridine phosphorylase 1, mRNA (cDNA clone MGC54295 IMAGE5549432), complete cds                                                                        | gb | BC047030.1 | 28422563 | uORF | MGC |
| Homo sapiens DnaJ (Hsp40) homolog, subfamily B, member 2, mRNA (cDNA clone MGC35384 IMAGE5185009), complete cds                                                    | gb | BC047056.1 | 28436945 | uORF | MGC |
| Homo sapiens DKFZP434092 protein, mRNA (cDNA clone IMAGE5298995), complete cds                                                                                     | gb | BC047060.1 | 28436875 | uORF | MGC |
| Homo sapiens spastic paraplegia 20, spartin (Troyer syndrome), mRNA (cDNA clone MGC48338 IMAGE5313378), complete cds                                               | gb | BC047083.1 | 28436884 | uORF | MGC |
| Homo sapiens spermatogenesis associated 9, transcript variant 2, mRNA (cDNA clone MGC51802 IMAGE5166271), complete cds                                             | gb | BC047333.1 | 28703918 | uORF | MGC |
| Homo sapiens ring finger and CHY zinc finger domain containing 1, mRNA (cDNA clone MGC48337 IMAGE5301408), complete cds                                            | gb | BC047393.1 | 28703890 | uORF | MGC |
| Homo sapiens tubulin tyrosine ligase-like family, member 2, mRNA (cDNA clone MGC48294 IMAGE5296230), complete cds                                                  | gb | BC047411.1 | 28703669 | uORF | MGC |
| Homo sapiens KIAA0794 protein, mRNA (cDNA clone MGC48497 IMAGE5294894), complete cds                                                                               | gb | BC047420.1 | 28703874 | uORF | MGC |
| Homo sapiens adenosine deaminase, RNA-specific, B2 (RED2 homolog rat), mRNA (cDNA clone IMAGE5313608), complete cds                                                | gb | BC047443.1 | 28704067 | uORF | MGC |
| Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 4, mRNA (cDNA clone MGC48304 IMAGE5298807), complete cds                                                       | gb | BC047455.1 | 28955130 | uORF | MGC |
| Homo sapiens mRNA similar to hypothetical protein FLJ32949 (cDNA clone MGC48509 IMAGE5298290), complete cds                                                        | gb | BC047471.1 | 28703708 | uORF | MGC |
| Homo sapiens olfactomedin-like 2B, mRNA (cDNA clone IMAGE5269601), complete cds                                                                                    | gb | BC047472.1 | 28703909 | uORF | MGC |
| Homo sapiens deleted in azoospermia 4, mRNA (cDNA clone MGC50968 IMAGE5297459), complete cds                                                                       | gb | BC047480.1 | 28704070 | uORF | MGC |
| Homo sapiens sciclin, mRNA (cDNA clone MGC41875 IMAGE5271857), complete cds                                                                                        | gb | BC047536.1 | 28839413 | uORF | MGC |
| Homo sapiens casein kinase 1, gamma 3, mRNA (cDNA clone MGC48323 IMAGE4817058), complete cds                                                                       | gb | BC047567.1 | 28837292 | uORF | MGC |
| Homo sapiens dishevelled associated activator of morphogenesis 2, mRNA (cDNA clone IMAGE4814116), complete cds                                                     | gb | BC047575.1 | 28838791 | uORF | MGC |
| Homo sapiens SPARC related modular calcium binding 2, mRNA (cDNA clone MGC48409 IMAGE4826950), complete cds                                                        | gb | BC047583.1 | 28839447 | uORF | MGC |
| Homo sapiens guanylate cyclase 1, soluble, beta 3, mRNA (cDNA clone MGC51012 IMAGE5264160), complete cds                                                           | gb | BC047620.1 | 28839460 | uORF | MGC |
| Homo sapiens ectonucleoside triphosphate diphosphohydrolase 1, mRNA (cDNA clone MGC51745 IMAGE5762493), complete cds                                               | gb | BC047664.1 | 28839688 | uORF | MGC |
| Homo sapiens N-acetyltransferase 1 (arylamine N-acetyltransferase), mRNA (cDNA clone MGC51749 IMAGE6059458), complete cds                                          | gb | BC047666.1 | 28838335 | uORF | MGC |
| Homo sapiens phospholipase A1 member A, mRNA (cDNA clone MGC51964 IMAGE6061929), complete cds                                                                      | gb | BC047703.2 | 34783535 | uORF | MGC |
| Homo sapiens cDNA clone MGC52101 IMAGE5748383, complete cds                                                                                                        | gb | BC047722.1 | 28839513 | uORF | MGC |
| Homo sapiens DNA (cytosine-5--)-methyltransferase 2, transcript variant a, mRNA (cDNA clone MGC54074 IMAGE6473993), complete cds                                   | gb | BC047733.1 | 29126972 | uORF | MGC |
| Homo sapiens spinstar-like, mRNA (cDNA clone MGC54108 IMAGE5757339), complete cds                                                                                  | gb | BC047741.1 | 28839525 | uORF | MGC |
| Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 8, mRNA (cDNA clone IMAGE5761384), complete cds                                                     | gb | BC047765.1 | 28839742 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ31795, mRNA (cDNA clone MGC54279 IMAGE6023964), complete cds                                                                  | gb | BC047776.2 | 34783615 | uORF | MGC |
| Homo sapiens cytochrome c oxidase subunit IV isoform 1, mRNA (cDNA clone IMAGE5240622), complete cds                                                               | gb | BC047869.1 | 28839781 | uORF | MGC |
| Homo sapiens src family associated phosphoprotein 1, mRNA (cDNA clone MGC57534 IMAGE5747375), complete cds                                                         | gb | BC047870.1 | 28839035 | uORF | MGC |
| Homo sapiens SEC31-like 1 (S. cerevisiae), mRNA (cDNA clone IMAGE6203896), complete cds                                                                            | gb | BC047883.2 | 34193978 | uORF | MGC |
| Homo sapiens actinin, alpha 2, mRNA (cDNA clone MGC57723 IMAGE6199155), complete cds                                                                               | gb | BC047901.2 | 34194597 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE6190188, complete cds                                                                                                                 | gb | BC047918.1 | 28839071 | uORF | MGC |
| Homo sapiens ring finger protein 36, transcript variant a, mRNA (cDNA clone MGC50818 IMAGE5744224), complete cds                                                   | gb | BC047945.1 | 28839680 | uORF | MGC |
| Homo sapiens HRAS-like suppressor, mRNA (cDNA clone MGC57150 IMAGE4830228), complete cds                                                                           | gb | BC048095.1 | 28856179 | uORF | MGC |
| Homo sapiens zinc finger and SCAN domain containing 1, mRNA (cDNA clone IMAGE4780878), complete cds                                                                | gb | BC048099.1 | 28856267 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE4820049, complete cds                                                                                                                 | gb | BC048104.1 | 29126939 | uORF | MGC |
| Homo sapiens mRNA similar to hypothetical protein FLJ32800 (cDNA clone MGC57432 IMAGE5272014), complete cds                                                        | gb | BC048125.1 | 28856164 | uORF | MGC |
| Homo sapiens chromosome 8 open reading frame 13, mRNA (cDNA clone IMAGE5806311), complete cds                                                                      | gb | BC048214.1 | 29387002 | uORF | MGC |
| Homo sapiens zinc finger, DHHC domain containing 12, mRNA (cDNA clone MGC54050 IMAGE5418875), complete cds                                                         | gb | BC048251.1 | 29387229 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE5188569, complete cds                                                                                                                 | gb | BC048281.1 | 29387167 | uORF | MGC |
| Homo sapiens spermatogenesis associated, serine-rich 2, mRNA (cDNA clone MGC51825 IMAGE5520818), complete cds                                                      | gb | BC048299.1 | 29387339 | uORF | MGC |
| Homo sapiens cDNA clone MGC51960 IMAGE5505348, complete cds                                                                                                        | gb | BC048301.1 | 29387261 | uORF | MGC |
| Homo sapiens chromosome 13 open reading frame 3, mRNA (cDNA clone MGC57410 IMAGE5267965), complete cds                                                             | gb | BC048988.1 | 29124653 | uORF | MGC |
| Homo sapiens 2'-5'-oligoadenylate synthetase 2, 69/71kDa, mRNA (cDNA clone MGC51939 IMAGE5517804), complete cds                                                    | gb | BC049215.1 | 29351562 | uORF | MGC |
| Homo sapiens hypothetical protein MGC48637, mRNA (cDNA clone MGC48637 IMAGE4814785), complete cds                                                                  | gb | BC050328.1 | 29791429 | uORF | MGC |
| Homo sapiens neuropilin (NRP) and tolloid (TLL)-like 1, mRNA (cDNA clone MGC48642 IMAGE4821317), complete cds                                                      | gb | BC050329.1 | 29791608 | uORF | MGC |
| Homo sapiens Kv channel interacting protein 1, mRNA (cDNA clone MGC51879 IMAGE5752207), complete cds                                                               | gb | BC050375.1 | 29791471 | uORF | MGC |
| Homo sapiens p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast), mRNA (cDNA clone IMAGE5763796), complete cds                                                | gb | BC050377.1 | 29791475 | uORF | MGC |
| Homo sapiens KIAA1977 protein, mRNA (cDNA clone MGC51955 IMAGE5751728), complete cds                                                                               | gb | BC050387.1 | 29791822 | uORF | MGC |
| Homo sapiens chromosome 14 open reading frame 54, mRNA (cDNA clone MGC52107 IMAGE5745029), complete cds                                                            | gb | BC050401.1 | 29792180 | uORF | MGC |
| Homo sapiens. Similar to DNA directed RNA polymerase II polypeptide J-related gene, clone MGC54043 IMAGE6187131, mRNA, complete cds                                | gb | BC050405.1 | 29791496 | uORF | MGC |
| Homo sapiens hypothetical protein DKFZ5586M1120, mRNA (cDNA clone MGC54111 IMAGE5766999), complete cds                                                             | gb | BC050419.1 | 29791949 | uORF | MGC |
| Homo sapiens zinc finger protein 322a, mRNA (cDNA clone MGC54129 IMAGE6473688), complete cds                                                                       | gb | BC050425.1 | 29791504 | uORF | MGC |
| Homo sapiens katanin p60 (ATPase-containing) subunit A 1, mRNA (cDNA clone MGC54153 IMAGE5764501), complete cds                                                    | gb | BC050428.1 | 29792186 | uORF | MGC |
| Homo sapiens staufer, RNA binding protein (Drosophila), transcript variant T3, mRNA (cDNA clone MGC54160 IMAGE6047265), complete cds                               | gb | BC050432.1 | 29792189 | uORF | MGC |
| Homo sapiens golgi autoantigen, golgin subfamily a, 4, mRNA (cDNA clone IMAGE6500360), complete cds                                                                | gb | BC050444.1 | 29792195 | uORF | MGC |
| Homo sapiens thrombospondin 4, mRNA (cDNA clone MGC54257 IMAGE6191808), complete cds                                                                               | gb | BC050456.1 | 29791963 | uORF | MGC |
| Homo sapiens muscleblind-like (Drosophila), mRNA (cDNA clone MGC57586 IMAGE6042311), complete cds                                                                  | gb | BC050535.1 | 29791634 | uORF | MGC |
| Homo sapiens FLJ20160 protein, mRNA (cDNA clone MGC57598 IMAGE6204874), complete cds                                                                               | gb | BC050537.2 | 34193529 | uORF | MGC |
| Homo sapiens BCL2-associated athanogene 5, mRNA (cDNA clone MGC57645 IMAGE5744362), complete cds                                                                   | gb | BC050551.1 | 29792007 | uORF | MGC |
| Homo sapiens hypothetical protein LOC202051, mRNA (cDNA clone MGC57735 IMAGE5751687), complete cds                                                                 | gb | BC050563.1 | 29792018 | uORF | MGC |
| Homo sapiens hypothetical protein MGC3329, mRNA (cDNA clone MGC60053 IMAGE6174508), complete cds                                                                   | gb | BC050603.1 | 29791719 | uORF | MGC |
| Homo sapiens putative RNA methyltransferase, mRNA (cDNA clone MGC60073 IMAGE5248052), complete cds                                                                 | gb | BC050614.1 | 30047087 | uORF | MGC |
| Homo sapiens tumor suppressing subtransferable candidate 4, mRNA (cDNA clone MGC60084 IMAGE5744058), complete cds                                                  | gb | BC050616.1 | 29792267 | uORF | MGC |
| Homo sapiens chromosome 8 open reading frame 20, mRNA (cDNA clone MGC60090 IMAGE6504298), complete cds                                                             | gb | BC050622.1 | 29791733 | uORF | MGC |
| Homo sapiens bystin-like, mRNA (cDNA clone MGC60140 IMAGE6011459), complete cds                                                                                    | gb | BC050645.1 | 29792063 | uORF | MGC |
| Homo sapiens zinc finger protein 410, mRNA (cDNA clone MGC60250 IMAGE5752452), complete cds                                                                        | gb | BC050683.1 | 29792084 | uORF | MGC |
| Homo sapiens laminin receptor 1 (ribosomal protein SA, 67kDa), mRNA (cDNA clone MGC60265 IMAGE4443949), complete cds                                               | gb | BC050688.1 | 30047124 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE4508181, complete cds                                                                                                                 | gb | BC050696.1 | 29791787 | uORF | MGC |
| Homo sapiens doublecortin domain containing 2, mRNA (cDNA clone MGC60304 IMAGE5758845), complete cds                                                               | gb | BC050704.1 | 29791793 | uORF | MGC |
| Homo sapiens hypothetical protein LOC51321, mRNA (cDNA clone MGC60315 IMAGE6060235), complete cds                                                                  | gb | BC050709.1 | 29792099 | uORF | MGC |
| Homo sapiens polymerase (DNA directed) kappa, mRNA (cDNA clone MGC60331 IMAGE5552653), complete cds                                                                | gb | BC050718.1 | 30048186 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE6151735, complete cds                                                                                                                 | gb | BC050721.1 | 29791805 | uORF | MGC |
| Homo sapiens mRNA similar to RIKEN cDNA 6030404E16 gene (cDNA clone MGC60348 IMAGE4445874), complete cds                                                           | gb | BC050723.1 | 30047806 | uORF | MGC |
| Homo sapiens T-cell leukemia/lymphoma 1B, transcript variant 1, mRNA (cDNA clone MGC59823 IMAGE5813497), complete cds                                              | gb | BC051000.1 | 28835209 | uORF | MGC |
| Homo sapiens hypothetical protein BC005651, mRNA (cDNA clone MGC54287 IMAGE5122890), complete cds                                                                  | gb | BC051031.1 | 28835130 | uORF | MGC |
| Homo sapiens phytanoyl-CoA dioxygenase domain containing 1, mRNA (cDNA clone MGC59991 IMAGE4843267), complete cds                                                  | gb | BC051300.1 | 30802140 | uORF | MGC |
| Homo sapiens TEA domain family member 2, mRNA (cDNA clone MGC59867 IMAGE4843913), complete cds                                                                     | gb | BC051301.1 | 30802111 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE4861468, complete cds                                                                                                                 | gb | BC051304.1 | 30410969 | uORF | MGC |
| Homo sapiens cDNA clone MGC59962 IMAGE4589959, complete cds                                                                                                        | gb | BC051362.1 | 30410927 | uORF | MGC |
| Homo sapiens mRNA similar to zinc finger protein 263 (cDNA clone MGC59959 IMAGE4137660), complete cds                                                              | gb | BC051366.1 | 30410712 | uORF | MGC |
| Homo sapiens sodium channel, voltage-gated, type V, alpha (long QT syndrome 3), mRNA (cDNA clone IMAGE6671632), complete cds                                       | gb | BC051374.1 | 30410899 | uORF | MGC |
| Homo sapiens putative lysophosphatidic acid acyltransferase, mRNA (cDNA clone MGC59880 IMAGE6649895), complete cds                                                 | gb | BC051377.1 | 30410912 | uORF | MGC |
| Homo sapiens hypothetical protein MGC5987, mRNA (cDNA clone MGC59871 IMAGE6268667), complete cds                                                                   | gb | BC051382.1 | 30410908 | uORF | MGC |
| Homo sapiens Kruppel-like factor 3 (basic), mRNA (cDNA clone MGC48279 IMAGE5303520), complete cds                                                                  | gb | BC051687.1 | 30353759 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ10781, mRNA (cDNA clone MGC51034 IMAGE5295669), complete cds                                                                  | gb | BC051688.1 | 30353775 | uORF | MGC |
| Homo sapiens PDZ domain containing 6, mRNA (cDNA clone IMAGE4811690), complete cds                                                                                 | gb | BC051698.1 | 30353743 | uORF | MGC |
| Homo sapiens rap2 interacting protein x, mRNA (cDNA clone MGC48314 IMAGE5265230), complete cds                                                                     | gb | BC051716.1 | 30704842 | uORF | MGC |
| Homo sapiens chromosome 20 open reading frame 96, mRNA (cDNA clone MGC52116 IMAGE5756377), complete cds                                                            | gb | BC051762.1 | 30354245 | uORF | MGC |
| Homo sapiens cDNA clone IMAGE6190506, complete cds                                                                                                                 | gb | BC051790.1 | 30354609 | uORF | MGC |
| Homo sapiens RAB3A interacting protein (rabint3)-like 1, mRNA (cDNA clone MGC60065 IMAGE5188805), complete cds                                                     | gb | BC051820.1 | 30354621 | uORF | MGC |
| Homo sapiens Rho guanine exchange factor (GEF) 16, mRNA (cDNA clone MGC60142 IMAGE6191377), complete cds                                                           | gb | BC051838.1 | 30353992 | uORF | MGC |
| Homo sapiens transmembrane protein 25, mRNA (cDNA clone MGC60150 IMAGE5725777), complete cds                                                                       | gb | BC051841.1 | 30705019 | uORF | MGC |
| Homo sapiens microtubule-associated protein 4, transcript variant 3, mRNA (cDNA clone IMAGE5501722), complete cds                                                  | gb | BC051843.1 | 30354637 | uORF | MGC |
| Homo sapiens hypothetical protein MGC4189, mRNA (cDNA clone MGC60172 IMAGE5493799), complete cds                                                                   | gb | BC051849.2 | 34783932 | uORF | MGC |
| Homo sapiens transmembrane protein induced by tumor necrosis factor alpha, mRNA (cDNA clone MGC60180 IMAGE6201334), complete cds                                   | gb | BC051850.1 | 30354640 | uORF | MGC |
| Homo sapiens carnitine O-octanoyltransferase, mRNA (cDNA clone IMAGE6166795), complete cds                                                                         | gb | BC051874.1 | 30354165 | uORF | MGC |
| Homo sapiens chromosome 14 open reading frame 106, mRNA (cDNA clone IMAGE6503933), complete cds                                                                    | gb | BC051885.1 | 30354292 | uORF | MGC |
| Homo sapiens chromosome 13 open reading frame 24, mRNA (cDNA clone MGC60388 IMAGE6140514), complete cds                                                            | gb | BC051911.1 | 30354031 | uORF | MGC |
| Homo sapiens Rho GTPase activating protein 4, mRNA (cDNA clone MGC59373 IMAGE6379390), complete cds                                                                | gb | BC052303.1 | 30353955 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ36445, mRNA (cDNA clone MGC60006 IMAGE568945), complete cds                                                                   | gb | BC052573.1 | 30851229 | uORF | MGC |
| Homo sapiens palmitoyl-protein thioesterase 2, mRNA (cDNA clone MGC59719 IMAGE6295477), complete cds                                                               | gb | BC052591.1 | 30851647 | uORF | MGC |
| Homo sapiens mitochondrial ribosomal protein L10, transcript variant 1, mRNA (cDNA clone MGC59869 IMAGE6085551), complete cds                                      | gb | BC052601.1 | 30962843 | uORF | MGC |
| Homo sapiens carbonic anhydrase XIII, mRNA (cDNA clone MGC59868 IMAGE6083105), complete cds                                                                        | gb | BC052602.1 | 30851208 | uORF | MGC |
| Homo sapiens cDNA clone MGC59724 IMAGE6252827, complete cds                                                                                                        | gb | BC052611.1 | 30851684 | uORF | MGC |
| Homo sapiens mitochondrial ribosomal protein L43, mRNA (cDNA clone MGC61576 IMAGE6051303), complete cds                                                            | gb | BC052639.1 | 30962908 | uORF | MGC |
| Homo sapiens hypothetical gene supported by BC052750, mRNA (cDNA clone MGC50811 IMAGE5742766), complete cds                                                        | gb | BC052750.1 | 30962900 | uORF | MGC |
| Homo sapiens KIAA0467 protein, mRNA (cDNA clone IMAGE6538086), complete cds                                                                                        | gb | BC052802.1 | 31127243 | uORF | MGC |
| Homo sapiens forkhead box P4, mRNA (cDNA clone MGC59875 IMAGE6420057), complete cds                                                                                | gb | BC052803.1 | 31127162 | uORF | MGC |

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| Homo sapiens erythrocyte membrane protein band 4.9 (dema1n), mRNA (cDNA clone MGC59859 IMAGE6269658), complete cds                                                         | gb | BC052805.1 | 31127245  | uORF | MGC |
| Homo sapiens cDNA clone MG61802 IMAGE5730155, complete cds                                                                                                                 | gb | BC052806.1 | 31127212  | uORF | MGC |
| Homo sapiens cDNA clone MGC48327 IMAGE5264663, complete cds                                                                                                                | gb | BC052955.1 | 31418178  | uORF | MGC |
| Homo sapiens kinesin family member 21B, mRNA (cDNA clone IMAGE5768124), partial cds                                                                                        | gb | BC052964.1 | 31418198  | uORF | MGC |
| Homo sapiens retinoic acid induced 14, mRNA (cDNA clone MGC60196 IMAGE6164087), complete cds                                                                               | gb | BC052988.1 | 31418641  | uORF | MGC |
| Homo sapiens sphingosine-1-phosphate lyase 1, mRNA (cDNA clone MGC60255 IMAGE6150776), complete cds                                                                        | gb | BC052991.1 | 31418632  | uORF | MGC |
| Homo sapiens KIAA0685, mRNA (cDNA clone MGC60338 IMAGE6162781), complete cds                                                                                               | gb | BC052995.2 | 34193938  | uORF | MGC |
| Homo sapiens C-terminal binding protein 1, mRNA (cDNA clone MGC59831 IMAGE6461670), complete cds                                                                           | gb | BC053320.1 | 31418301  | uORF | MGC |
| Homo sapiens karyopherin alpha 2 (RAG cohort 1, importin alpha 1), mRNA (cDNA clone MG61578 IMAGE4450470), complete cds                                                    | gb | BC053343.1 | 31418807  | uORF | MGC |
| Homo sapiens myelin associated glycoprotein, transcript variant 1, mRNA (cDNA clone MG61434 IMAGE5177296), complete cds                                                    | gb | BC053347.1 | 31418452  | uORF | MGC |
| Homo sapiens distal-less homeo box 1, mRNA (cDNA clone MGC61560 IMAGE5243874), complete cds                                                                                | gb | BC053351.1 | 31418472  | uORF | MGC |
| Homo sapiens cDNA clone MG61512 IMAGE6142009, complete cds                                                                                                                 | gb | BC053365.1 | 31418466  | uORF | MGC |
| Homo sapiens mitochondrial ribosomal protein L43, transcript variant 3, mRNA (cDNA clone MG61563 IMAGE6020112), complete cds                                               | gb | BC053373.1 | 31419636  | uORF | MGC |
| Homo sapiens ADP-ribosylation factor-like 6 interacting protein 2, mRNA (cDNA clone MGC59735 IMAGE6338889), complete cds                                                   | gb | BC053508.1 | 31565343  | uORF | MGC |
| Homo sapiens hypothetical protein MG61716, mRNA (cDNA clone MG61716 IMAGE4417008), complete cds                                                                            | gb | BC053533.1 | 31566112  | uORF | MGC |
| Homo sapiens tropomyosin 1 (alpha), mRNA (cDNA clone MGC61803 IMAGE5730451), complete cds                                                                                  | gb | BC053545.1 | 31565805  | uORF | MGC |
| Homo sapiens cDNA clone MG61706 IMAGE6162269, complete cds                                                                                                                 | gb | BC053557.1 | 31565548  | uORF | MGC |
| Homo sapiens hypothetical protein LOC1144233, mRNA (cDNA clone MGC61656 IMAGE6163678), complete cds                                                                        | gb | BC053560.1 | 31657168  | uORF | MGC |
| Homo sapiens transducer of regulated cAMP response element-binding protein (CREB) 2, mRNA (cDNA clone MG61711 IMAGE6188088), complete cds                                  | gb | BC053562.1 | 31566128  | uORF | MGC |
| Homo sapiens vesicular inhibitory amino acid transporter, mRNA (cDNA clone MG61677 IMAGE5180816), complete cds                                                             | gb | BC053582.1 | 31566391  | uORF | MGC |
| Homo sapiens chromosome 22 open reading frame 9, mRNA (cDNA clone MGC61801 IMAGE5730020), complete cds                                                                     | gb | BC053595.1 | 31566149  | uORF | MGC |
| Homo sapiens hypothetical protein LOC2255104, mRNA (cDNA clone MGC61808 IMAGE5744211), complete cds                                                                        | gb | BC053600.1 | 31565769  | uORF | MGC |
| Homo sapiens protein kinase, AMP-activated, beta 2 non-catalytic subunit, mRNA (cDNA clone MG61468 IMAGE6091476), complete cds                                             | gb | BC053610.1 | 31566334  | uORF | MGC |
| Homo sapiens B-cell CLL/lymphoma 10, mRNA (cDNA clone MG61430 IMAGE6143423), complete cds                                                                                  | gb | BC053617.1 | 31565460  | uORF | MGC |
| Homo sapiens hypothetical protein MG614161, mRNA (cDNA clone MG61436 IMAGE578205), complete cds                                                                            | gb | BC053647.1 | 31566168  | uORF | MGC |
| Homo sapiens EGF-like repeats and discoidin I-like domains 3, mRNA (cDNA clone MG61588 IMAGE5753154), complete cds                                                         | gb | BC053656.1 | 31566179  | uORF | MGC |
| Homo sapiens cDNA clone MG61592 IMAGE6021223, complete cds                                                                                                                 | gb | BC053664.1 | 31565772  | uORF | MGC |
| Homo sapiens lectin, galactoside-binding, soluble, 3 (galectin 3), mRNA (cDNA clone MG61529 IMAGE6148401), complete cds                                                    | gb | BC053667.1 | 31657225  | uORF | MGC |
| Homo sapiens hypothetical protein FLJ23451, mRNA (cDNA clone MGC49855 IMAGE5199179), complete cds                                                                          | gb | BC053733.1 | 31807949  | uORF | MGC |
| Homo sapiens killer cell lectin-like receptor subfamily C, member 1, transcript variant 3, mRNA (cDNA clone MGC59791 IMAGE5484921), complete cds                           | gb | BC053840.1 | 31753215  | uORF | MGC |
| Homo sapiens phytanoyl-CoA dioxygenase domain containing 1, mRNA (cDNA clone MG61786 IMAGE5209351), complete cds                                                           | gb | BC053853.1 | 31807320  | uORF | MGC |
| Homo sapiens PHD finger protein 8, mRNA (cDNA clone MG61779 IMAGE5138930), complete cds                                                                                    | gb | BC053861.1 | 31753179  | uORF | MGC |
| Homo sapiens endothelin 3, transcript variant 2, mRNA (cDNA clone MG61498 IMAGE5202210), complete cds                                                                      | gb | BC053866.1 | 31753185  | uORF | MGC |
| Homo sapiens copine V, mRNA (cDNA clone MGC61794 IMAGE553022), complete cds                                                                                                | gb | BC053872.1 | 31753189  | uORF | MGC |
| Homo sapiens cDNA clone MGC59926 IMAGE5480266, complete cds                                                                                                                | gb | BC053984.1 | 32449742  | uORF | MGC |
| Homo sapiens dimerization cofactor of hepatocyte nuclear factor 1 ( HNF1) from muscle, mRNA (cDNA clone MGC61862 IMAGE6385036), complete cds                               | gb | BC054021.1 | 32450703  | uORF | MGC |
| Homo sapiens similar to PAGE-5 protein, mRNA (cDNA clone MGC62094 IMAGE6603202), complete cds                                                                              | gb | BC054022.1 | 32449833  | uORF | MGC |
| Homo sapiens SPANX family, member C, mRNA (cDNA clone MG61861 IMAGE6648369), complete cds                                                                                  | gb | BC054023.1 | 32450696  | uORF | MGC |
| Homo sapiens mitochondrial ribosomal protein S17, mRNA (cDNA clone MGC64897 IMAGE6173349), complete cds                                                                    | gb | BC054031.2 | 34784672  | uORF | MGC |
| Homo sapiens U11/U12 snRNP 35K, transcript variant 2, mRNA (cDNA clone MGC64961 IMAGE3901191), complete cds                                                                | gb | BC054034.1 | 32450705  | uORF | MGC |
| Homo sapiens histamine receptor H2, mRNA (cDNA clone MGC60198 IMAGE6146988), complete cds                                                                                  | gb | BC054510.2 | 34786802  | uORF | MGC |
| Homo sapiens Fanconi anemia, complementation group L, mRNA (cDNA clone MGC60295 IMAGE5180184), complete cds                                                                | gb | BC054517.1 | 32493395  | uORF | MGC |
| Homo sapiens MADS box transcription enhancer factor 2, polypeptide D (myocyte enhancer factor 2D), mRNA (cDNA clone MGC60395 IMAGE6142751), complete cds                   | gb | BC054520.1 | 32452021  | uORF | MGC |
| Homo sapiens cDNA clone MG61931 IMAGE6565452, complete cds                                                                                                                 | gb | BC054888.1 | 33392746  | uORF | MGC |
| Homo sapiens cDNA clone MG62033 IMAGE6619254, complete cds                                                                                                                 | gb | BC054892.1 | 33392748  | uORF | MGC |
| Homo sapiens cDNA clone MG61907 IMAGE6726612, complete cds                                                                                                                 | gb | BC055096.1 | 32822725  | uORF | MGC |
| Homo sapiens C2f protein, mRNA (cDNA clone MGC62024 IMAGE4718702), complete cds                                                                                            | gb | BC055314.1 | 33243997  | uORF | MGC |
| Homo sapiens nuclear receptor subfamily 1, group D, member 1, mRNA (cDNA clone MG64943 IMAGE6195844), complete cds                                                         | gb | BC056148.1 | 33525228  | uORF | MGC |
| Homo sapiens small proline-rich protein 1B (cornifin), mRNA (cDNA clone MG61901 IMAGE6494770), complete cds                                                                | gb | BC056240.1 | 33604021  | uORF | MGC |
| Homo sapiens iodotyrosine dehalogenase 1, mRNA (cDNA clone MG62115 IMAGE612526), complete cds                                                                              | gb | BC056253.1 | 33989988  | uORF | MGC |
| Homo sapiens cDNA clone MGC62011 IMAGE4702331, complete cds                                                                                                                | gb | BC056256.1 | 33604107  | uORF | MGC |
| Homo sapiens serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6, mRNA (cDNA clone MG61961 IMAGE5810260), complete cds      | gb | BC056259.1 | 33604190  | uORF | MGC |
| Homo sapiens adaptor-related protein complex 3, mu 2 subunit, mRNA (cDNA clone MGC49839 IMAGE5193386), complete cds                                                        | gb | BC056398.1 | 33991621  | uORF | MGC |
| Homo sapiens hypothetical protein BC007540, mRNA (cDNA clone MGC50858 IMAGE5764461), complete cds                                                                          | gb | BC056402.1 | 33880004  | uORF | MGC |
| Homo sapiens cDNA clone MG64875 IMAGE6195884, complete cds                                                                                                                 | gb | BC056409.1 | 33990585  | uORF | MGC |
| Homo sapiens CGI-72 protein, mRNA (cDNA clone IMAGE6148662), complete cds                                                                                                  | gb | BC056413.1 | 33989657  | uORF | MGC |
| Homo sapiens hypothetical protein FLJ21908, mRNA (cDNA clone MGC64954 IMAGE5218249), complete cds                                                                          | gb | BC056415.1 | 33989660  | uORF | MGC |
| Homo sapiens variable charge, Y-linked 1B, mRNA (cDNA clone MG61936 IMAGE6450744), complete cds                                                                            | gb | BC056508.1 | 33991811  | uORF | MGC |
| Homo sapiens chromosome 13 open reading frame 17, mRNA (cDNA clone MGC61919 IMAGE6494926), complete cds                                                                    | gb | BC056669.1 | 34784817  | uORF | MGC |
| Homo sapiens nuclear receptor coactivator 5, mRNA (cDNA clone MGC64902 IMAGE5730450), complete cds                                                                         | gb | BC056872.1 | 34785145  | uORF | MGC |
| Homo sapiens chromosome 5 open reading frame 5, mRNA (cDNA clone MGC65022 IMAGE6148274), complete cds                                                                      | gb | BC056887.1 | 34784461  | uORF | MGC |
| Homo sapiens cDNA clone MGC65189 IMAGE3873464, complete cds                                                                                                                | gb | BC056917.1 | 34783982  | uORF | MGC |
| Homo sapiens N-acetylated alpha-linked acidic dipeptidase 2, mRNA (cDNA clone IMAGE4593084), complete cds                                                                  | gb | BC057243.1 | 34785666  | uORF | MGC |
| Homo sapiens RasGEF domain family, member 1C, mRNA (cDNA clone MGC71493 IMAGE52688021), complete cds                                                                       | gb | BC057759.1 | 34784741  | uORF | MGC |
| Homo sapiens morr, mRNA (cDNA clone MGC71497 IMAGE30346478), complete cds                                                                                                  | gb | BC057760.1 | 34785505  | uORF | MGC |
| Homo sapiens solute carrier family 27 (fatty acid transporter), member 2, mRNA (cDNA clone MGC71531 IMAGE30348317), complete cds                                           | gb | BC057770.1 | 34785928  | uORF | MGC |
| Homo sapiens hypothetical protein FLJ31455, mRNA (cDNA clone MGC71547 IMAGE30338757), complete cds                                                                         | gb | BC057774.1 | 34785932  | uORF | MGC |
| Homo sapiens hypothetical protein FLJ25439, mRNA (cDNA clone MGC71550 IMAGE5295348), complete cds                                                                          | gb | BC057775.1 | 34784702  | uORF | MGC |
| Homo sapiens chromosome 10 open reading frame 77, mRNA (cDNA clone IMAGE30343435), complete cds                                                                            | gb | BC057787.1 | 34784709  | uORF | MGC |
| Homo sapiens carbonic anhydrase IV, mRNA (cDNA clone MGC71638 IMAGE30331755), complete cds                                                                                 | gb | BC057792.1 | 34785515  | uORF | MGC |
| Homo sapiens cDNA clone MGC71733 IMAGE4814389, complete cds                                                                                                                | gb | BC057809.1 | 355005314 | uORF | MGC |
| Homo sapiens tubulin, alpha 2, mRNA (cDNA clone MGC71736 IMAGE52688074), complete cds                                                                                      | gb | BC057810.1 | 34784745  | uORF | MGC |
| Homo sapiens similar to alpha tubulin, mRNA (cDNA clone MGC71743 IMAGE5298532), complete cds                                                                               | gb | BC057811.1 | 34785522  | uORF | MGC |
| Homo sapiens gap junction protein, beta 2, mRNA (cDNA clone MGC71746 IMAGE30336398), complete cds                                                                          | gb | BC057813.1 | 34785524  | uORF | MGC |
| Homo sapiens family with sequence similarity 3, member B, transcript variant 1, mRNA (cDNA clone MGC71802 IMAGE30338490), complete cds                                     | gb | BC057829.1 | 34785950  | uORF | MGC |
| Homo sapiens TR4 orphan receptor associated protein TRA16, mRNA (cDNA clone MGC71819 IMAGE30345563), complete cds                                                          | gb | BC057837.1 | 34784737  | uORF | MGC |
| Homo sapiens sterile alpha motif domain containing 4, mRNA (cDNA clone IMAGE30345653), complete cds                                                                        | gb | BC057838.1 | 34784727  | uORF | MGC |
| Homo sapiens proteasome (prosome, macropain) subunit, beta type 5, mRNA (cDNA clone MGC71831 IMAGE4795732), complete cds                                                   | gb | BC057840.1 | 355005515 | uORF | MGC |
| Homo sapiens cDNA clone MGC71858 IMAGE30345211, complete cds                                                                                                               | gb | BC057848.1 | 34784733  | uORF | MGC |
| Homo sapiens cDNA clone MG61869 IMAGE4607228, complete cds                                                                                                                 | gb | BC058003.1 | 34783661  | uORF | MGC |
| Homo sapiens G protein-coupled receptor 1, mRNA (cDNA clone MGC61955 IMAGE4605394), complete cds                                                                           | gb | BC058005.1 | 34783675  | uORF | MGC |
| Homo sapiens cDNA clone MG61896 IMAGE4703539, complete cds                                                                                                                 | gb | BC058032.1 | 34783666  | uORF | MGC |
| Homo sapiens pregnancy specific beta-1-glycoprotein 1, mRNA (cDNA clone MG61825 IMAGE4770394), complete cds                                                                | gb | BC058285.1 | 34849464  | uORF | MGC |
| Homo sapiens zinc finger-like, mRNA (cDNA clone MGC62102 IMAGE3933685), complete cds                                                                                       | gb | BC058819.1 | 37590453  | uORF | MGC |
| Homo sapiens cDNA clone MG61846 IMAGE6615920, complete cds                                                                                                                 | gb | BC058833.1 | 37590166  | uORF | MGC |
| Homo sapiens cDNA clone MGC62007 IMAGE6745279, complete cds                                                                                                                | gb | BC058843.1 | 37573996  | uORF | MGC |
| Homo sapiens cDNA clone MGC34422 IMAGE591408, complete cds                                                                                                                 | gb | BC058861.1 | 37589045  | uORF | MGC |
| Homo sapiens cDNA clone MG64822 IMAGE5188651, complete cds                                                                                                                 | gb | BC058882.1 | 37589117  | uORF | MGC |
| Homo sapiens hypothetical protein FLJ11506, mRNA (cDNA clone MGC64869 IMAGE5032338), complete cds                                                                          | gb | BC058886.1 | 37747444  | uORF | MGC |
| Homo sapiens rabaptin, RAB GTPase binding effector protein 2, mRNA (cDNA clone MGC64949 IMAGE5415624), complete cds                                                        | gb | BC058900.1 | 37590178  | uORF | MGC |
| Homo sapiens intercellular adhesion molecule 3, mRNA (cDNA clone MGC64964 IMAGE5207143), complete cds                                                                      | gb | BC058903.1 | 37748333  | uORF | MGC |
| Homo sapiens hypothetical protein FLJ12969, mRNA (cDNA clone MGC64967 IMAGE5531406), complete cds                                                                          | gb | BC058904.1 | 37748337  | uORF | MGC |
| Homo sapiens aarF domain containing kinase 1, mRNA (cDNA clone MGC64983 IMAGE6150933), complete cds                                                                        | gb | BC058906.1 | 37589311  | uORF | MGC |
| Homo sapiens butyrate-induced transcript 1, mRNA (cDNA clone MGC65028 IMAGE5491368), complete cds                                                                          | gb | BC058912.1 | 37589127  | uORF | MGC |
| Homo sapiens cDNA clone MGC65053 IMAGE5178251, complete cds                                                                                                                | gb | BC058915.1 | 37589309  | uORF | MGC |
| Homo sapiens NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1, 8kDa, mRNA (cDNA clone MGC65095 IMAGE6167387), complete cds                                      | gb | BC058920.1 | 37748351  | uORF | MGC |
| Homo sapiens catenin (cadherin-associated protein), beta 1, 88kDa, mRNA (cDNA clone MGC65131 IMAGE6151332), complete cds                                                   | gb | BC058926.1 | 37590637  | uORF | MGC |
| Homo sapiens cDNA clone MGC71495 IMAGE3300636, complete cds                                                                                                                | gb | BC059358.1 | 37589534  | uORF | MGC |
| Homo sapiens zinc binding alcohol dehydrogenase, domain containing 1, mRNA (cDNA clone MGC71536 IMAGE5301759), complete cds                                                | gb | BC059364.1 | 37590296  | uORF | MGC |
| Homo sapiens cDNA clone MGC71538 IMAGE5264059, complete cds                                                                                                                | gb | BC059366.1 | 45708917  | uORF | MGC |
| Homo sapiens hypothetical protein MGC71735, mRNA (cDNA clone MGC71735 IMAGE5265575), complete cds                                                                          | gb | BC059396.1 | 37589555  | uORF | MGC |
| Homo sapiens B-cell CLL/lymphoma 6, member B (zinc finger protein), mRNA (cDNA clone MGC71775 IMAGE53034206), complete cds                                                 | gb | BC059404.1 | 37590810  | uORF | MGC |
| Homo sapiens transducin-like enhancer of split 4 (Esf1) homolog, Drosophila), mRNA (cDNA clone MGC71782 IMAGE5296117), complete cds                                        | gb | BC059405.1 | 37590812  | uORF | MGC |
| Homo sapiens cDNA clone MGC74797 IMAGE3454522, complete cds                                                                                                                | gb | BC059950.1 | 37748528  | uORF | MGC |
| Homo sapiens cDNA clone MGC62096 IMAGE6620385, complete cds                                                                                                                | gb | BC060042.1 | 37747420  | uORF | MGC |
| Homo sapiens general transcription factor 1H, polypeptide 5, mRNA (cDNA clone MGC75182 IMAGE4345335), complete cds                                                         | gb | BC060317.1 | 37994761  | uORF | MGC |
| Homo sapiens cDNA clone MGC75180 IMAGE3901226, complete cds                                                                                                                | gb | BC060319.1 | 37805341  | uORF | MGC |
| Homo sapiens cDNA clone MGC71488 IMAGE4822636, complete cds                                                                                                                | gb | BC060758.1 | 38174456  | uORF | MGC |
| Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 14, mRNA (cDNA clone MGC71510 IMAGE5297510), complete cds                                   | gb | BC060766.1 | 38173773  | uORF | MGC |
| Homo sapiens centaurin, beta 2, mRNA (cDNA clone MGC71512 IMAGE30343546), complete cds                                                                                     | gb | BC060767.1 | 38173851  | uORF | MGC |
| Homo sapiens SRY (sex determining region Y)-box 5, mRNA (cDNA clone MGC71528 IMAGE30343519), complete cds                                                                  | gb | BC060773.1 | 38173779  | uORF | MGC |
| Homo sapiens potassium channel, subfamily K, member 5, mRNA (cDNA clone MGC71594 IMAGE30348251), complete cds                                                              | gb | BC060793.1 | 38174511  | uORF | MGC |
| Homo sapiens cDNA clone MGC71628 IMAGE30336414, complete cds                                                                                                               | gb | BC060806.1 | 38174246  | uORF | MGC |
| Homo sapiens elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2, mRNA (cDNA clone MGC71645 IMAGE5288523), complete cds                         | gb | BC060809.1 | 38174248  | uORF | MGC |
| Homo sapiens Alport syndrome, mental retardation, midface hypoplasia and elliptocytosis chromosomal region, gene 1, mRNA (cDNA clone MGC71655 IMAGE30344824), complete cds | gb | BC060813.1 | 38511525  | uORF | MGC |
| Homo sapiens synaptosomal-associated protein, 91kDa homolog (mouse), mRNA (cDNA clone MGC71664 IMAGE4827211), complete cds                                                 | gb | BC060818.1 | 38174251  | uORF | MGC |
| Homo sapiens cDNA clone MGC71666 IMAGE30336427, complete cds                                                                                                               | gb | BC060819.1 | 38173795  | uORF | MGC |
| Homo sapiens cDNA clone MGC71686 IMAGE30343734, complete cds                                                                                                               | gb | BC060824.1 | 38174523  | uORF | MGC |
| Homo sapiens proline rich Glu (G-carboxyglutamic acid) 1, mRNA (cDNA clone MGC71712 IMAGE30348133), complete cds                                                           | gb | BC060833.1 | 38173801  | uORF | MGC |
| Homo sapiens aryl hydrocarbon receptor nuclear translocator, mRNA (cDNA clone MGC71732 IMAGE5300334), complete cds                                                         | gb | BC060838.1 | 38173805  | uORF | MGC |
| Homo sapiens KIAA1609 protein, mRNA (cDNA clone MGC71753 IMAGE30342219), complete cds                                                                                      | gb | BC060844.1 | 38174535  | uORF | MGC |
| Homo sapiens par-6 partitioning defective 6 homolog beta (C. elegans), mRNA (cDNA clone MGC71759 IMAGE30345080), complete cds                                              | gb | BC060847.1 | 38173813  | uORF | MGC |
| Homo sapiens chromosome 7 open reading frame 31, mRNA (cDNA clone MGC71845 IMAGE5298874), complete cds                                                                     | gb | BC060879.1 | 38173832  | uORF | MGC |
| Homo sapiens cDNA clone MGC75203 IMAGE6502529, complete cds                                                                                                                | gb | BC061590.1 | 38181630  | uORF | MGC |
| Homo sapiens cDNA clone MGC62079 IMAGE6737728, complete cds                                                                                                                | gb | BC061697.1 | 38197278  | uORF | MGC |

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| Homo sapiens glycosyltransferase-like 1, mRNA (cDNA clone MGC62086 IMAGE4608518), complete cds                                                     | gb  | BC061699.1  | 38197280 | uORF | MGC |
| Homo sapiens fibronectin type III domain containing 5, mRNA (cDNA clone MGC71121 IMAGE6338770), complete cds                                       | gb  | BC062297.1  | 38382886 | uORF | MGC |
| Homo sapiens chromosome 21 open reading frame 25, mRNA (cDNA clone MGC71445 IMAGE5419822), complete cds                                            | gb  | BC062323.1  | 38383003 | uORF | MGC |
| Homo sapiens cDNA clone MGC71212 IMAGE6338507, complete cds                                                                                        | gb  | BC062338.1  | 38382763 | uORF | MGC |
| Homo sapiens cDNA clone MGC71108 IMAGE6579014, complete cds                                                                                        | gb  | BC062344.1  | 38383087 | uORF | MGC |
| Homo sapiens hypothetical protein DKFZp547B1713, mRNA (cDNA clone MGC71140 IMAGE4648754), complete cds                                             | gb  | BC062353.1  | 38565957 | uORF | MGC |
| Homo sapiens interleukin 27, mRNA (cDNA clone MGC71873 IMAGE4703457), complete cds                                                                 | gb  | BC062422.1  | 38566146 | uORF | MGC |
| Homo sapiens butyrophilin-like 9, mRNA (cDNA clone MGC74561 IMAGE6185476), complete cds                                                            | gb  | BC062459.1  | 38382893 | uORF | MGC |
| Homo sapiens chromosome 15 open reading frame 26, mRNA (cDNA clone MGC75413 IMAGE30390735), complete cds                                           | gb  | BC062471.1  | 38566032 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ133069, mRNA (cDNA clone MGC74618 IMAGE5224669), complete cds                                                 | gb  | BC062592.1  | 38511747 | uORF | MGC |
| Homo sapiens sodium channel, nonvoltage-gated 1 alpha, mRNA (cDNA clone MGC75136 IMAGE5186683), complete cds                                       | gb  | BC062613.1  | 38512171 | uORF | MGC |
| Homo sapiens a disintegrin and metalloproteinase domain 33, mRNA (cDNA clone IMAGE30405083), complete cds                                          | gb  | BC062663.1  | 38540911 | uORF | MGC |
| Homo sapiens protein kinase, cGMP-dependent, type 1, mRNA (cDNA clone IMAGE30350012), complete cds                                                 | gb  | BC062688.1  | 38571599 | uORF | MGC |
| Homo sapiens cDNA clone MGC71964 IMAGE30382125, complete cds                                                                                       | gb  | BC062696.1  | 38540932 | uORF | MGC |
| Homo sapiens cDNA clone MGC72084 IMAGE30320007, complete cds                                                                                       | gb  | BC062736.1  | 38541683 | uORF | MGC |
| Homo sapiens cDNA clone MGC71872 IMAGE30325379, complete cds                                                                                       | gb  | BC063107.1  | 38648798 | uORF | MGC |
| Homo sapiens family with sequence similarity 13, member A1, mRNA (cDNA clone IMAGE4277251), complete cds                                           | gb  | BC063126.1  | 38648815 | uORF | MGC |
| Homo sapiens eukaryotic translation initiation factor 2C, 1, mRNA (cDNA clone MGC71487 IMAGE30344513), complete cds                                | gb  | BC063275.1  | 38649143 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ14888, mRNA (cDNA clone MGC70660 IMAGE5168550), complete cds                                                  | gb  | BC063392.1  | 39794545 | uORF | MGC |
| Homo sapiens coenzyme Q3 homolog, methyltransferase (yeast), mRNA (cDNA clone MGC75175 IMAGE5196692), complete cds                                 | gb  | BC063463.1  | 39795440 | uORF | MGC |
| Homo sapiens c-Mpl binding protein, mRNA (cDNA clone MGC74631 IMAGE5219803), complete cds                                                          | gb  | BC063479.1  | 39645802 | uORF | MGC |
| Homo sapiens cDNA clone MGC74576 IMAGE5248661, complete cds                                                                                        | gb  | BC063500.1  | 39645794 | uORF | MGC |
| Homo sapiens cAMP responsive element binding protein 3-like 2, mRNA (cDNA clone IMAGE4185677), complete cds                                        | gb  | BC063666.1  | 39645137 | uORF | MGC |
| Homo sapiens cDNA clone MGC75463 IMAGE30389222, complete cds                                                                                       | gb  | BC064144.1  | 39794303 | uORF | MGC |
| Homo sapiens CDK5 regulatory subunit associated protein 1-like 1, mRNA (cDNA clone IMAGE30379056), complete cds                                    | gb  | BC064145.1  | 39794690 | uORF | MGC |
| Homo sapiens sterile alpha motif domain containing 6, mRNA (cDNA clone MGC70368 IMAGE5562895), complete cds                                        | gb  | BC064367.1  | 39963544 | uORF | MGC |
| Homo sapiens cDNA clone MGC71356 IMAGE5483404, complete cds                                                                                        | gb  | BC064485.1  | 40555762 | uORF | MGC |
| Homo sapiens ubiquitin protein ligase E3 component n-recogin 2, mRNA (cDNA clone IMAGE3836601), complete cds                                       | gb  | BC064512.1  | 40352761 | uORF | MGC |
| Homo sapiens raptor, mRNA (cDNA clone IMAGE3635589), complete cds                                                                                  | gb  | BC064515.1  | 40555735 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ135220, mRNA (cDNA clone MGC74455 IMAGE5736957), complete cds                                                 | gb  | BC064545.1  | 40555768 | uORF | MGC |
| Homo sapiens a disintegrin and metalloproteinase domain 2 (fertilin beta), mRNA (cDNA clone MGC74935 IMAGE5744846), complete cds                   | gb  | BC064547.1  | 40555811 | uORF | MGC |
| Homo sapiens cDNA clone MGC74956 IMAGE5553460, complete cds                                                                                        | gb  | BC064553.1  | 40352907 | uORF | MGC |
| Homo sapiens DCP2 decapping enzyme homolog (S. cerevisiae), mRNA (cDNA clone MGC70483 IMAGE5757231), complete cds                                  | gb  | BC064593.1  | 40352975 | uORF | MGC |
| Homo sapiens alcohol dehydrogenase, iron containing, 1, mRNA (cDNA clone MGC70541 IMAGE5748980), complete cds                                      | gb  | BC064634.1  | 40352925 | uORF | MGC |
| Homo sapiens estrogen-related receptor gamma, mRNA (cDNA clone MGC71724 IMAGE30344716), complete cds                                               | gb  | BC064700.1  | 40352778 | uORF | MGC |
| Homo sapiens LPS-responsive vesicle trafficking, beach and anchor containing, mRNA (cDNA clone IMAGE4609486), complete cds                         | gb  | BC064834.1  | 40675311 | uORF | MGC |
| Homo sapiens myosin VC, mRNA (cDNA clone IMAGE6182837), complete cds                                                                               | gb  | BC064841.1  | 40674441 | uORF | MGC |
| Homo sapiens transmembrane protein vezatin, mRNA (cDNA clone MGC70606 IMAGE6159768), complete cds                                                  | gb  | BC064939.1  | 40675529 | uORF | MGC |
| Homo sapiens NTKL-binding protein 1, mRNA (cDNA clone MGC70512 IMAGE6019822), complete cds                                                         | gb  | BC064945.1  | 40787785 | uORF | MGC |
| Homo sapiens adiponitrin, mRNA (cDNA clone MGC75176 IMAGE5243823), complete cds                                                                    | gb  | BC065195.1  | 40807048 | uORF | MGC |
| Homo sapiens protein-O-mannosyltransferase 1, mRNA (cDNA clone MGC74644 IMAGE6155142), complete cds                                                | gb  | BC065268.1  | 40807182 | uORF | MGC |
| Homo sapiens adducin 2 (beta), mRNA (cDNA clone MGC74968 IMAGE6142886), complete cds                                                               | gb  | BC065525.1  | 41351355 | uORF | MGC |
| Homo sapiens immune costimulatory protein B7-H4, mRNA (cDNA clone MGC71941 IMAGE4295775), complete cds                                             | gb  | BC065717.1  | 41350861 | uORF | MGC |
| Homo sapiens zinc finger protein 483, mRNA (cDNA clone IMAGE30402725), complete cds                                                                | gb  | BC065738.1  | 41351322 | uORF | MGC |
| Homo sapiens ubiquitin specific protease 28, mRNA (cDNA clone MGC70638 IMAGE6140725), complete cds                                                 | gb  | BC065928.1  | 42406325 | uORF | MGC |
| Homo sapiens cDNA clone MGC87455 IMAGE5278406, complete cds                                                                                        | gb  | BC066340.1  | 42490993 | uORF | MGC |
| Homo sapiens LIM homeobox transcription factor 1, alpha, mRNA (cDNA clone IMAGE4825854), complete cds                                              | gb  | BC066353.1  | 42490860 | uORF | MGC |
| Homo sapiens chromosome 20 open reading frame 71, mRNA (cDNA clone MGC87618 IMAGE4826101), complete cds                                            | gb  | BC066354.1  | 42491000 | uORF | MGC |
| Homo sapiens phosphatidylserine receptor, mRNA (cDNA clone MGC70447 IMAGE6064429), complete cds                                                    | gb  | BC066654.1  | 45219813 | uORF | MGC |
| Homo sapiens UDP-GlcNAc6Gal beta-1-3-N-acetylglucosaminyltransferase 3, mRNA (cDNA clone MGC79245 IMAGE6971715), complete cds                      | gb  | BC066876.1  | 44890719 | uORF | MGC |
| Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 43, mRNA (cDNA clone MGC87287 IMAGE4829072), complete cds                                      | gb  | BC066938.1  | 45219679 | uORF | MGC |
| Homo sapiens cDNA clone MGC87304 IMAGE4375822, complete cds                                                                                        | gb  | BC066942.1  | 44890433 | uORF | MGC |
| Homo sapiens glycerol kinase pseudogene 3, mRNA (cDNA clone MGC87453 IMAGE4821051), complete cds                                                   | gb  | BC066960.1  | 45219782 | uORF | MGC |
| Homo sapiens cDNA clone MGC87634 IMAGE4838596, complete cds                                                                                        | gb  | BC066987.1  | 44890597 | uORF | MGC |
| Homo sapiens WD repeat domain 23, mRNA (cDNA clone MGC74695 IMAGE6170335), complete cds                                                            | gb  | BC067132.1  | 45501054 | uORF | MGC |
| Homo sapiens statherin, mRNA (cDNA clone MGC71967 IMAGE30328926), complete cds                                                                     | gb  | BC067219.1  | 45501308 | uORF | MGC |
| Homo sapiens prostate cancer antigen-1, mRNA (cDNA clone MGC74669 IMAGE6176933), complete cds                                                      | gb  | BC067257.1  | 45501249 | uORF | MGC |
| Homo sapiens Mdm4, transformed 3T3 cell double minute 4, p53 binding protein (mouse), mRNA (cDNA clone MGC75489 IMAGE30390159), complete cds       | gb  | BC067299.1  | 45501364 | uORF | MGC |
| Homo sapiens UDP-GlcNAc6Gal beta-1-3-N-acetylglucosaminyltransferase 3, mRNA (cDNA clone MGC79246 IMAGE6971716), complete cds                      | gb  | BC067423.1  | 45708978 | uORF | MGC |
| Homo sapiens disabled homolog 1 (Drosophila), mRNA (cDNA clone MGC79274 IMAGE6971709), complete cds                                                | gb  | BC067446.1  | 45768289 | uORF | MGC |
| Homo sapiens transcription factor CP2-like 2, transcript variant 1, mRNA (cDNA clone MGC79419 IMAGE6971723), complete cds                          | gb  | BC067519.1  | 45709447 | uORF | MGC |
| Homo sapiens cDNA clone MGC86968 IMAGE4792861, complete cds                                                                                        | gb  | BC067735.1  | 45709183 | uORF | MGC |
| Homo sapiens potassium channel trimerisation domain containing 18, mRNA (cDNA clone MGC87030 IMAGE5299303), complete cds                           | gb  | BC067755.1  | 45709592 | uORF | MGC |
| Homo sapiens similar to splicing factor, arginine/serine-rich 4, transcript variant 1, mRNA (cDNA clone MGC87110 IMAGE5301415), complete cds       | gb  | BC067773.1  | 45709606 | uORF | MGC |
| Homo sapiens cDNA clone MGC75426 IMAGE30378632, complete cds                                                                                       | gb  | BC068031.1  | 45751572 | uORF | MGC |
| Homo sapiens mitochondrial ribosomal protein L52, transcript variant 1, mRNA (cDNA clone MGC78604 IMAGE5458482), complete cds                      | gb  | BC068070.1  | 45786126 | uORF | MGC |
| Homo sapiens cDNA clone MGC78620 IMAGE5480023, complete cds                                                                                        | gb  | BC068071.1  | 45751652 | uORF | MGC |
| Homo sapiens cDNA clone MGC87808 IMAGE6291103, complete cds                                                                                        | gb  | BC068094.1  | 45751601 | uORF | MGC |
| Homo sapiens thiamin pyrophosphokinase 1, mRNA (cDNA clone MGC87057 IMAGE5288626), complete cds                                                    | gb  | BC068460.1  | 46250252 | uORF | MGC |
| Homo sapiens transportin 3, mRNA (cDNA clone MGC87384 IMAGE5301701), complete cds                                                                  | gb  | BC068530.1  | 46249790 | uORF | MGC |
| Homo sapiens serine palmitoyltransferase, long chain base subunit 1, mRNA (cDNA clone MGC87384 IMAGE5259635), complete cds                         | gb  | BC068537.1  | 46329679 | uORF | MGC |
| Homo sapiens Rho GTPase activating protein 26, mRNA (cDNA clone MGC87468 IMAGE30433863), complete cds                                              | gb  | BC068555.1  | 46249802 | uORF | MGC |
| Homo sapiens hypothetical protein BC007899, mRNA (cDNA clone MGC87826 IMAGE4828713), complete cds                                                  | gb  | BC068594.1  | 46250456 | uORF | MGC |
| Homo sapiens ARP10 protein, mRNA (cDNA clone MGC78644 IMAGE5441646), complete cds                                                                  | gb  | BC069023.1  | 46362471 | uORF | MGC |
| Homo sapiens cDNA clone MGC71916 IMAGE6714138, complete cds                                                                                        | gb  | BC069185.1  | 46623041 | uORF | MGC |
| Homo sapiens Bcl2 modifying factor, mRNA (cDNA clone MGC96952 IMAGE7262161), complete cds                                                          | gb  | BC069328.1  | 46854331 | uORF | MGC |
| Homo sapiens interferon, alpha 21, mRNA (cDNA clone MGC96941 IMAGE7262150), complete cds                                                           | gb  | BC069329.1  | 47480307 | uORF | MGC |
| Homo sapiens distal-less homeo box 6, mRNA (cDNA clone MGC96882 IMAGE7262091), complete cds                                                        | gb  | BC069363.1  | 47480976 | uORF | MGC |
| Homo sapiens metallothionein 1B (functional), mRNA (cDNA clone MGC97427 IMAGE7262703), complete cds                                                | gb  | BC069421.1  | 46854667 | uORF | MGC |
| Homo sapiens tripartite motif-containing 46, mRNA (cDNA clone MGC97094 IMAGE7262312), complete cds                                                 | gb  | BC069568.1  | 46854389 | uORF | MGC |
| Homo sapiens zinc finger protein 365, mRNA (cDNA clone MGC87345 IMAGE4821260), complete cds                                                        | gb  | BC070073.1  | 47123324 | uORF | MGC |
| Homo sapiens chromosome 22 open reading frame 13, mRNA (cDNA clone MGC87632 IMAGE4838028), complete cds                                            | gb  | BC070109.1  | 47124977 | uORF | MGC |
| Homo sapiens cDNA clone MGC88103 IMAGE4693019, complete cds                                                                                        | gb  | BC070125.1  | 47124236 | uORF | MGC |
| Homo sapiens zinc finger protein 28 (KOX 24), mRNA (cDNA clone IMAGE6565769), complete cds                                                         | gb  | BC070146.1  | 47123384 | uORF | MGC |
| Homo sapiens cDNA clone MGC88170 IMAGE68620443, complete cds                                                                                       | gb  | BC070189.1  | 47124263 | uORF | MGC |
| Homo sapiens collagen, type IV, alpha 6, mRNA (cDNA clone IMAGE4274195), complete cds                                                              | gb  | BC070203.1  | 47124520 | uORF | MGC |
| Homo sapiens triadin, mRNA (cDNA clone IMAGE4337647), complete cds                                                                                 | gb  | BC070290.1  | 47124552 | uORF | MGC |
| Homo sapiens immunoglobulin kappa constant, mRNA (cDNA clone MGC88339 IMAGE30326005), complete cds                                                 | gb  | BC070334.1  | 47125430 | uORF | MGC |
| Homo sapiens prostaglandin D2 receptor (DP) (PTGDR), mRNA                                                                                          | ref | NM_000953.2 | 38505191 | uORF | MGC |
| Homo sapiens proteasome (prosome, macropain) subunit, alpha type, 6 (PSMA6), mRNA                                                                  | ref | NM_002791.1 | 23110943 | uORF | MGC |
| Homo sapiens succinate-CoA ligase, GDP-forming, beta subunit (SUCLG2), mRNA                                                                        | ref | NM_003848.1 | 29788999 | uORF | MGC |
| Homo sapiens interferon-induced protein 35 (IFI35), mRNA                                                                                           | ref | NM_005533.2 | 34147320 | uORF | MGC |
| Homo sapiens nuclear factor I/A (NFIA), mRNA                                                                                                       | ref | NM_005595.1 | 30840979 | uORF | MGC |
| Homo sapiens Era G-protein-like 1 (E. coli) (ERAL1), mRNA                                                                                          | ref | NM_005702.1 | 24307898 | uORF | MGC |
| Homo sapiens serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2 (SERPINE2), mRNA         | ref | NM_006216.2 | 34147323 | uORF | MGC |
| Homo sapiens putative nucleic acid binding protein RY-1 (RY1), mRNA                                                                                | ref | NM_006857.1 | 24307918 | uORF | MGC |
| Homo sapiens ATP-binding cassette, sub-family F (GCN20), member 2 (ABCF2), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA | ref | NM_007189.1 | 27881505 | uORF | MGC |
| Homo sapiens WW domain binding protein 2 (WBP2), mRNA                                                                                              | ref | NM_012478.2 | 24430131 | uORF | MGC |
| Homo sapiens nucleoporin like 1 (NUPL1), mRNA                                                                                                      | ref | NM_014089.2 | 34147338 | uORF | MGC |
| Homo sapiens chromosome 22 open reading frame 4 (C22orf4), mRNA                                                                                    | ref | NM_014346.1 | 22507408 | uORF | MGC |
| Homo sapiens KIAA0117 protein (KIAA0117), mRNA                                                                                                     | ref | NM_015014.1 | 38016126 | uORF | MGC |
| Homo sapiens KIAA0252 (KIAA0252), mRNA                                                                                                             | ref | NM_015138.2 | 34222098 | uORF | MGC |
| Homo sapiens ADP-ribosylation factor-like 6 interacting protein (ARL6IP), mRNA                                                                     | ref | NM_015161.1 | 24308006 | uORF | MGC |
| Homo sapiens TAF9 protein 5 (TAF9A), mRNA                                                                                                          | ref | NM_015381.1 | 29789067 | uORF | MGC |
| Homo sapiens sclerostin domain containing 1 (SOSTDC1), mRNA                                                                                        | ref | NM_015464.1 | 23943784 | uORF | MGC |
| Homo sapiens chromosome 19 open reading frame 14 (C19orf14), mRNA                                                                                  | ref | NM_015671.2 | 34147332 | uORF | MGC |
| Homo sapiens Ras-associated protein Rap1 (RBJ), mRNA                                                                                               | ref | NM_016544.1 | 23821014 | uORF | MGC |
| Homo sapiens suppressor of hairy wing homolog 3 (Drosophila) (SUHW3), mRNA                                                                         | ref | NM_017666.2 | 42476026 | uORF | MGC |
| Homo sapiens hypothetical protein DKFZp782O0076 (DKFZp782O076), mRNA                                                                               | ref | NM_018710.1 | 24308164 | uORF | MGC |
| Homo sapiens keratin 20 (KRT20), mRNA                                                                                                              | ref | NM_019010.1 | 27894336 | uORF | MGC |
| Homo sapiens chromosome 20 open reading frame 3 (C20orf3), mRNA                                                                                    | ref | NM_020531.2 | 41327713 | uORF | MGC |
| Homo sapiens arrestin domain containing 3 (ARRDC3), mRNA                                                                                           | ref | NM_020801.1 | 32698735 | uORF | MGC |
| Homo sapiens chromosome 9 open reading frame 80 (C9orf80), mRNA                                                                                    | ref | NM_021218.1 | 24308268 | uORF | MGC |
| Homo sapiens DC2 protein (DC2), mRNA                                                                                                               | ref | NM_021277.2 | 40548405 | uORF | MGC |
| Homo sapiens thioredoxin domain containing 5 (TXNDC5), transcript variant 2, mRNA                                                                  | ref | NM_022085.3 | 42794774 | uORF | MGC |
| Homo sapiens zinc finger protein 306 (ZNF306), mRNA                                                                                                | ref | NM_024493.1 | 24308296 | uORF | MGC |
| Homo sapiens chromosome 4 open reading frame 15 (C4orf15), mRNA                                                                                    | ref | NM_024511.3 | 39725710 | uORF | MGC |
| Homo sapiens zinc finger CCH type, antiviral 1 (ZC3HAV1), transcript variant 2, mRNA                                                               | ref | NM_024625.3 | 27477137 | uORF | MGC |
| Homo sapiens GrpE-like 1, mitochondrial (E. coli) (GRPEL1), mRNA                                                                                   | ref | NM_025196.2 | 37059725 | uORF | MGC |
| Homo sapiens KIAA1720 protein (KIAA1720), mRNA                                                                                                     | ref | NM_030645.1 | 24308302 | uORF | MGC |
| Homo sapiens non-imprinted in Prader-Willi/Angelman syndrome 2 (NIPAZ2), mRNA                                                                      | ref | NM_030922.3 | 42476171 | uORF | MGC |
| Homo sapiens chromosome 19 open reading frame 12 (C19orf12), mRNA                                                                                  | ref | NM_031448.2 | 34147398 | uORF | MGC |
| Homo sapiens HORMA domain containing protein (NOHMA), mRNA                                                                                         | ref | NM_032132.2 | 31542506 | uORF | MGC |
| Homo sapiens KIAA1914 (KIAA1914), mRNA                                                                                                             | ref | NM_032550.1 | 24308337 | uORF | MGC |
| Homo sapiens cytokine induced protein 29 kDa (CIP29), mRNA                                                                                         | ref | NM_033082.1 | 32129198 | uORF | MGC |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------|----------|------|-----|
| Homo sapiens KIAA1913 (KIAA1913), mRNA                                                                                                                                    | ref | NM_052913.2 | 40538800 | uORF | MGC |
| Homo sapiens hypothetical protein DT1PIA10 (DT1PIA10), mRNA                                                                                                               | ref | NM_058163.1 | 24308387 | uORF | MGC |
| Homo sapiens hypothetical protein BC002926 (LOC90379), mRNA                                                                                                               | ref | NM_138353.1 | 24308395 | uORF | MGC |
| Homo sapiens secernin 2 (Snc2), mRNA                                                                                                                                      | ref | NM_138355.1 | 24308405 | uORF | MGC |
| Homo sapiens glycoprotein, synaptic 2 (GPSN2), mRNA                                                                                                                       | ref | NM_138501.3 | 34222216 | uORF | MGC |
| Homo sapiens high mobility group nucleosomal binding domain 3 (HMGN3), transcript variant 2, mRNA                                                                         | ref | NM_138730.1 | 23238230 | uORF | MGC |
| Homo sapiens chromosome 9 open reading frame 112 (C9orf112), mRNA                                                                                                         | ref | NM_138778.1 | 24308451 | uORF | MGC |
| Homo sapiens adenosine monophosphate deaminase 2 (isoform L) (AMPD2), mRNA                                                                                                | ref | NM_139156.1 | 34147620 | uORF | MGC |
| Homo sapiens oxysterol binding protein-like 9 (OSBPL9), transcript variant 1, mRNA                                                                                        | ref | NM_148904.2 | 34335284 | uORF | MGC |
| Homo sapiens membrane-spanning 4-domains, subfamily A, member 4 (MS4A4A), transcript variant 2, mRNA                                                                      | ref | NM_148975.1 | 23110994 | uORF | MGC |
| Homo sapiens sorting nexin 7 (SNX7), transcript variant 2, mRNA                                                                                                           | ref | NM_152238.1 | 23111054 | uORF | MGC |
| Homo sapiens hypothetical protein MGC17943 (MGC17943), mRNA                                                                                                               | ref | NM_152261.1 | 22748614 | uORF | MGC |
| Homo sapiens hypothetical protein MGC32020 (MGC32020), mRNA                                                                                                               | ref | NM_152266.1 | 22748622 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ38628 (FLJ38628), mRNA                                                                                                               | ref | NM_152267.2 | 31542782 | uORF | MGC |
| Homo sapiens hypothetical protein MGC33839 (MGC33839), mRNA                                                                                                               | ref | NM_152353.1 | 22748764 | uORF | MGC |
| Homo sapiens hypothetical protein MGC17791 (MGC17791), mRNA                                                                                                               | ref | NM_152362.1 | 22748780 | uORF | MGC |
| Homo sapiens hypothetical protein MGC27466 (MGC27466), mRNA                                                                                                               | ref | NM_152373.2 | 38678533 | uORF | MGC |
| Homo sapiens UBX domain containing 3 (UBXD3), mRNA                                                                                                                        | ref | NM_152376.2 | 31377582 | uORF | MGC |
| Homo sapiens hypothetical protein MGC35338 (MGC35338), mRNA                                                                                                               | ref | NM_152389.1 | 22748832 | uORF | MGC |
| Homo sapiens hypothetical protein MGC39662 (MGC39662), mRNA                                                                                                               | ref | NM_152394.2 | 31543187 | uORF | MGC |
| Homo sapiens hypothetical protein MGC24132 (MGC24132), mRNA                                                                                                               | ref | NM_152396.1 | 22748844 | uORF | MGC |
| Homo sapiens hypothetical protein MGC24137 (MGC24137), mRNA                                                                                                               | ref | NM_152430.1 | 22748910 | uORF | MGC |
| Homo sapiens hypothetical protein MGC35366 (MGC35366), mRNA                                                                                                               | ref | NM_152435.1 | 22748912 | uORF | MGC |
| Homo sapiens retinol dehydrogenase 12 (all-trans and 9-cis) (RDH12), mRNA                                                                                                 | ref | NM_152443.1 | 22748934 | uORF | MGC |
| Homo sapiens hypothetical protein MGC18216 (MGC18216), mRNA                                                                                                               | ref | NM_152452.1 | 22748948 | uORF | MGC |
| Homo sapiens hypothetical protein MGC34647 (MGC34647), mRNA                                                                                                               | ref | NM_152456.1 | 22748958 | uORF | MGC |
| Homo sapiens hypothetical protein MGC17515 (MGC17515), mRNA                                                                                                               | ref | NM_152471.1 | 22748984 | uORF | MGC |
| Homo sapiens chromosome 19 open reading frame 18 (C19orf18), mRNA                                                                                                         | ref | NM_152474.2 | 34303933 | uORF | MGC |
| Homo sapiens hypothetical protein MGC35130 (MGC35130), mRNA                                                                                                               | ref | NM_152489.1 | 22749028 | uORF | MGC |
| Homo sapiens hypothetical protein MGC26710 (MGC26710), mRNA                                                                                                               | ref | NM_152510.1 | 22749068 | uORF | MGC |
| Homo sapiens ADP-ribosylation-like factor 6-interacting protein 6 (MGC33864), mRNA                                                                                        | ref | NM_152522.2 | 37059759 | uORF | MGC |
| Homo sapiens hypothetical protein DKFZp761G058 (DKFZp761G058), mRNA                                                                                                       | ref | NM_152542.2 | 31542532 | uORF | MGC |
| Homo sapiens sterile alpha motif domain containing 3 (SAMD3), mRNA                                                                                                        | ref | NM_152552.1 | 22749150 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ25402 (FLJ25402), mRNA                                                                                                               | ref | NM_152567.1 | 22749168 | uORF | MGC |
| Homo sapiens hypothetical protein MGC24103 (MGC24103), mRNA                                                                                                               | ref | NM_152576.1 | 22749194 | uORF | MGC |
| Homo sapiens hypothetical protein MGC33948 (MGC33948), mRNA                                                                                                               | ref | NM_152587.2 | 40255122 | uORF | MGC |
| Homo sapiens hypothetical protein MGC26816 (MGC26816), mRNA                                                                                                               | ref | NM_152613.1 | 22749254 | uORF | MGC |
| Homo sapiens hypothetical protein MGC35154 (MGC35154), mRNA                                                                                                               | ref | NM_152614.1 | 22749256 | uORF | MGC |
| Homo sapiens hypothetical protein MGC17403 (MGC17403), mRNA                                                                                                               | ref | NM_152634.1 | 22749294 | uORF | MGC |
| Homo sapiens hypothetical protein MGC17301 (MGC17301), mRNA                                                                                                               | ref | NM_152637.1 | 22749300 | uORF | MGC |
| Homo sapiens hypothetical protein MGC23270 (MGC23270), mRNA                                                                                                               | ref | NM_152646.2 | 27754147 | uORF | MGC |
| Homo sapiens ubiquitin-conjugating enzyme E2E 2 (UBC4/5 homolog, yeast) (UBE2E2), mRNA                                                                                    | ref | NM_152653.1 | 22749326 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ25369 (FLJ25369), mRNA                                                                                                               | ref | NM_152670.1 | 22749356 | uORF | MGC |
| Homo sapiens hypothetical protein MGC10198 (MGC10198), mRNA                                                                                                               | ref | NM_152682.1 | 22749370 | uORF | MGC |
| Homo sapiens dolichyl-phosphate mannosyltransferase polypeptide 2, regulatory subunit (DPM2), transcript variant 2, mRNA                                                  | ref | NM_152690.1 | 24469750 | uORF | MGC |
| Homo sapiens hypothetical protein MGC34032 (MGC34032), mRNA                                                                                                               | ref | NM_152697.2 | 34303947 | uORF | MGC |
| Homo sapiens hypothetical protein MGC10233 (MGC10233), mRNA                                                                                                               | ref | NM_152715.1 | 22749416 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ38159 (FLJ38159), mRNA                                                                                                               | ref | NM_152723.1 | 22749428 | uORF | MGC |
| Homo sapiens 5'-nucleotidase, cytosolic II-like 1 (NT5C2L1), mRNA                                                                                                         | ref | NM_152729.2 | 38570155 | uORF | MGC |
| Homo sapiens chromosome 6 open reading frame 206 (C6orf206), mRNA                                                                                                         | ref | NM_152732.2 | 32964824 | uORF | MGC |
| Homo sapiens hypothetical protein MGC26989 (MGC26989), mRNA                                                                                                               | ref | NM_152763.2 | 34303954 | uORF | MGC |
| Homo sapiens chromosome 19 open reading frame 26 (C19orf26), mRNA                                                                                                         | ref | NM_152769.1 | 22749502 | uORF | MGC |
| Homo sapiens hypothetical protein MGC33212 (MGC33212), mRNA                                                                                                               | ref | NM_152773.2 | 34303956 | uORF | MGC |
| Homo sapiens hypothetical protein MGC40579 (MGC40579), mRNA                                                                                                               | ref | NM_152776.1 | 22749520 | uORF | MGC |
| Homo sapiens mitochondrial translational initiation factor 3 (MTIF3), mRNA                                                                                                | ref | NM_152912.3 | 32306535 | uORF | MGC |
| Homo sapiens proteasome (prosome, macropain) 26S subunit, ATPase, 4 (PSMC4), transcript variant 2, mRNA                                                                   | ref | NM_153001.1 | 24430154 | uORF | MGC |
| Homo sapiens AE binding protein 2 (AEBP2), mRNA                                                                                                                           | ref | NM_153207.2 | 34222204 | uORF | MGC |
| Homo sapiens hypothetical protein MGC35048 (MGC35048), mRNA                                                                                                               | ref | NM_153208.1 | 23397455 | uORF | MGC |
| Homo sapiens gap junction protein, beta 4 (connexin 30.3) (GJB4), mRNA                                                                                                    | ref | NM_153212.1 | 23397463 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ38608 (FLJ38608), mRNA                                                                                                               | ref | NM_153215.1 | 23397472 | uORF | MGC |
| Homo sapiens hypothetical protein MGC13034 (MGC13034), mRNA                                                                                                               | ref | NM_153217.1 | 23397474 | uORF | MGC |
| Homo sapiens hypothetical protein MGC35440 (MGC35440), mRNA                                                                                                               | ref | NM_153220.1 | 23397480 | uORF | MGC |
| Homo sapiens hypothetical protein MGC34034 (MGC34034), mRNA                                                                                                               | ref | NM_153224.2 | 34222206 | uORF | MGC |
| Homo sapiens immune associated nucleotide 1 (IAN7), mRNA                                                                                                                  | ref | NM_153236.2 | 28416944 | uORF | MGC |
| Homo sapiens chromosome 9 open reading frame 71 (C9orf71), mRNA                                                                                                           | ref | NM_153237.1 | 23397517 | uORF | MGC |
| Homo sapiens aldo-keto reductase family 1, member A1 (aldehyde reductase) (AKR1A1), transcript variant 2, mRNA                                                            | ref | NM_153326.1 | 24469758 | uORF | MGC |
| Homo sapiens hypothetical protein MGC33974 (MGC33974), mRNA                                                                                                               | ref | NM_153350.2 | 34222207 | uORF | MGC |
| Homo sapiens hypothetical protein MGC34741 (MGC34741), mRNA                                                                                                               | ref | NM_153356.1 | 23503282 | uORF | MGC |
| Homo sapiens calcium/calmodulin-dependent protein kinase ID (CAMK1D), transcript variant 2, mRNA                                                                          | ref | NM_153498.1 | 23943849 | uORF | MGC |
| Homo sapiens hypothetical protein MGC20446 (MGC20446), mRNA                                                                                                               | ref | NM_153611.3 | 48976062 | uORF | MGC |
| Homo sapiens pantothenate kinase 2 (Hallerorden-Spatz syndrome) (PANK2), transcript variant 4, mRNA                                                                       | ref | NM_153641.1 | 24430176 | uORF | MGC |
| Homo sapiens tropomyosin 3 (TPM3), mRNA                                                                                                                                   | ref | NM_153649.2 | 39725631 | uORF | MGC |
| Homo sapiens hypothetical protein MGC10084 (MGC10084), mRNA                                                                                                               | ref | NM_153702.1 | 24308455 | uORF | MGC |
| Homo sapiens membrane cofactor protein (CD46, trophoblast-lymphocyte cross-reactive antigen) (MCP), transcript variant d, mRNA                                            | ref | NM_153826.2 | 27502403 | uORF | MGC |
| Homo sapiens S-phase kinase-associated protein 1A (p18A) (SKP1A), transcript variant 2, mRNA                                                                              | ref | NM_170679.1 | 25777712 | uORF | MGC |
| Homo sapiens serum/glucocorticoid regulated kinase 2 (SGK2), transcript variant 1, mRNA                                                                                   | ref | NM_170693.1 | 25168260 | uORF | MGC |
| Homo sapiens RAB39B, member RAS oncogene family (RAB39B), mRNA                                                                                                            | ref | NM_171998.1 | 25188192 | uORF | MGC |
| Homo sapiens tripartite motif-containing 39 (TRIM39), transcript variant 2, mRNA                                                                                          | ref | NM_172016.1 | 25777697 | uORF | MGC |
| Homo sapiens calcium/calmodulin-dependent protein kinase kinase 1, alpha (CAMKK1), transcript variant 3, mRNA                                                             | ref | NM_172207.1 | 27437012 | uORF | MGC |
| Homo sapiens TUWD12 (TUWD12), mRNA                                                                                                                                        | ref | NM_172240.1 | 26665868 | uORF | MGC |
| Homo sapiens presenilin enhancer 2 (PEN2), mRNA                                                                                                                           | ref | NM_172341.1 | 28144919 | uORF | MGC |
| Homo sapiens phosphatidylinositol glycan, class F (PIGF), transcript variant 2, mRNA                                                                                      | ref | NM_173074.1 | 27894290 | uORF | MGC |
| Homo sapiens calpain 3, (p4) (CAPN3), transcript variant 4, mRNA                                                                                                          | ref | NM_173088.1 | 27765075 | uORF | MGC |
| Homo sapiens Kv channel interacting protein 2 (KCNP2), transcript variant 3, mRNA                                                                                         | ref | NM_173192.1 | 27886671 | uORF | MGC |
| Homo sapiens sialyltransferase 4A (beta-galactoside alpha-2,3-sialyltransferase) (SIAT4A), transcript variant 2, mRNA                                                     | ref | NM_173344.1 | 27765095 | uORF | MGC |
| Homo sapiens LOC317671 (LOC317671), mRNA                                                                                                                                  | ref | NM_173362.2 | 40255164 | uORF | MGC |
| Homo sapiens hypothetical protein LOC93380 (LOC93380), mRNA                                                                                                               | ref | NM_173470.1 | 27735036 | uORF | MGC |
| Homo sapiens chromosome 10 open reading frame 104 (C10orf104), mRNA                                                                                                       | ref | NM_173473.2 | 50234894 | uORF | MGC |
| Homo sapiens N-terminal asparagine amidase (NTAN1), mRNA                                                                                                                  | ref | NM_173474.2 | 40789088 | uORF | MGC |
| Homo sapiens hypothetical protein MGC16664 (MGC16664), mRNA                                                                                                               | ref | NM_173509.2 | 34222229 | uORF | MGC |
| Homo sapiens chromosome 10 open reading frame 91 (C10orf91), mRNA                                                                                                         | ref | NM_173541.1 | 27734914 | uORF | MGC |
| Homo sapiens chromosome 2 open reading frame 13 (C2orf13), mRNA                                                                                                           | ref | NM_173545.1 | 27734904 | uORF | MGC |
| Homo sapiens potassium channel regulator (KCNRG), mRNA                                                                                                                    | ref | NM_173605.1 | 27734696 | uORF | MGC |
| Homo sapiens chromosome 14 open reading frame 24 (C14orf24), mRNA                                                                                                         | ref | NM_173607.2 | 31377542 | uORF | MGC |
| Homo sapiens hypothetical protein MGC47816 (MGC47816), mRNA                                                                                                               | ref | NM_173642.1 | 27735068 | uORF | MGC |
| Homo sapiens hypothetical protein MGC34824 (MGC34824), mRNA                                                                                                               | ref | NM_173652.1 | 27734974 | uORF | MGC |
| Homo sapiens hypothetical protein LOC285533 (LOC285533), mRNA                                                                                                             | ref | NM_173662.1 | 27734858 | uORF | MGC |
| Homo sapiens hypothetical protein LOC128977 (LOC128977), mRNA                                                                                                             | ref | NM_173793.2 | 31341095 | uORF | MGC |
| Homo sapiens hypothetical protein MGC24125 (MGC24125), mRNA                                                                                                               | ref | NM_173796.2 | 31341100 | uORF | MGC |
| Homo sapiens hypothetical protein MGC50559 (MGC50559), mRNA                                                                                                               | ref | NM_173802.2 | 31341117 | uORF | MGC |
| Homo sapiens hypothetical protein MGC50721 (MGC50721), mRNA                                                                                                               | ref | NM_173806.2 | 31341127 | uORF | MGC |
| Homo sapiens biogenesis of lysosome-related organelles complex-1, subunit 2 (BLOC1S2), transcript variant 1, mRNA                                                         | ref | NM_173809.2 | 46852397 | uORF | MGC |
| Homo sapiens RAB, member of RAS oncogene family-like 3 (RABL3), mRNA                                                                                                      | ref | NM_173825.1 | 28376659 | uORF | MGC |
| Homo sapiens serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 12 (SERPINA12), mRNA                                        | ref | NM_173850.2 | 31341191 | uORF | MGC |
| Homo sapiens hypothetical protein LOC91942 (LOC91942), mRNA                                                                                                               | ref | NM_174889.2 | 31341340 | uORF | MGC |
| Homo sapiens chromosome 14 open reading frame 79 (C14orf79), mRNA                                                                                                         | ref | NM_174891.2 | 31341348 | uORF | MGC |
| Homo sapiens hypothetical protein MGC24133 (MGC24133), mRNA                                                                                                               | ref | NM_174896.2 | 31341350 | uORF | MGC |
| Homo sapiens hypothetical protein LOC146310 (LOC146310), mRNA                                                                                                             | ref | NM_174903.2 | 31341362 | uORF | MGC |
| Homo sapiens hypothetical protein MGC23909 (MGC23909), mRNA                                                                                                               | ref | NM_174909.1 | 28372532 | uORF | MGC |
| Homo sapiens hypothetical protein MGC31967 (MGC31967), mRNA                                                                                                               | ref | NM_174923.1 | 28318808 | uORF | MGC |
| Homo sapiens hypothetical protein MGC17839 (MGC17839), mRNA                                                                                                               | ref | NM_174926.1 | 28376667 | uORF | MGC |
| Homo sapiens postmeiotic segregation increased 2-like 5 (PMS2L5), mRNA                                                                                                    | ref | NM_174930.2 | 31341385 | uORF | MGC |
| Homo sapiens hypothetical protein LOC283232 (LOC283232), mRNA                                                                                                             | ref | NM_174940.1 | 28372560 | uORF | MGC |
| Homo sapiens growth arrest-specific 2 like 3 (GAS2L3), mRNA                                                                                                               | ref | NM_174942.1 | 28372562 | uORF | MGC |
| Homo sapiens phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminimidazole synthetase (GART), transcript variant 2, mRNA | ref | NM_175085.1 | 28418898 | uORF | MGC |
| Homo sapiens DNA (cytosine-5--)-methyltransferase 3 alpha (DNMT3A), transcript variant 4, mRNA                                                                            | ref | NM_175630.1 | 28559070 | uORF | MGC |
| Homo sapiens RAB37, member RAS oncogene family (RAB37), mRNA                                                                                                              | ref | NM_175738.2 | 31343330 | uORF | MGC |
| Homo sapiens hypothetical protein LOC90925 (LOC90925), mRNA                                                                                                               | ref | NM_175870.3 | 39725708 | uORF | MGC |
| Homo sapiens hypothetical protein MGC35023 (MGC35023), mRNA                                                                                                               | ref | NM_175877.3 | 40255200 | uORF | MGC |
| Homo sapiens hypothetical protein MGC57211 (MGC57211), mRNA                                                                                                               | ref | NM_175878.2 | 31343578 | uORF | MGC |
| Homo sapiens hypothetical protein LOC283861 (LOC283861), mRNA                                                                                                             | ref | NM_175899.2 | 31342259 | uORF | MGC |
| Homo sapiens iVB (bacterial acetolactate synthase)-like (ILVBL), transcript variant 2, mRNA                                                                               | ref | NM_176826.1 | 29171691 | uORF | MGC |
| Homo sapiens similar to RAB7, member RAS oncogene family (MGC9726), mRNA                                                                                                  | ref | NM_177403.3 | 38490536 | uORF | MGC |
| Homo sapiens syntaxin 12 (STX12), mRNA                                                                                                                                    | ref | NM_177424.1 | 28933464 | uORF | MGC |
| Homo sapiens peroxisome proliferative activated receptor, delta (PPARD), transcript variant 2, mRNA                                                                       | ref | NM_177435.1 | 29171748 | uORF | MGC |

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| Homo sapiens sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3 (SULT1A3), transcript variant 2, mRNA                                                               | ref | NM,177552.1  | 29550920 | uORF | MGC |
| Homo sapiens acid phosphatase 1, soluble (ACP1), transcript variant 1, mRNA                                                                                                          | ref | NM,177554.1  | 30090002 | uORF | MGC |
| Homo sapiens ankyrin repeat and SOCS box-containing 6 (ASB6), transcript variant 2, mRNA                                                                                             | ref | NM,177999.1  | 30089931 | uORF | MGC |
| Homo sapiens beta 5-tubulin (OK/SW-cl56), mRNA                                                                                                                                       | ref | NM,178014.2  | 34222261 | uORF | MGC |
| Homo sapiens hypothetical protein LOC90529 (LOC90529), mRNA                                                                                                                          | ref | NM,178122.2  | 31342415 | uORF | MGC |
| Homo sapiens hypothetical protein LOC162427 (LOC162427), mRNA                                                                                                                        | ref | NM,178126.2  | 31342405 | uORF | MGC |
| Homo sapiens angiotensin-like 5 (ANGPTL5), mRNA                                                                                                                                      | ref | NM,178127.2  | 31342398 | uORF | MGC |
| Homo sapiens purinergic receptor P2Y, G-protein coupled, 8 (P2RY8), mRNA                                                                                                             | ref | NM,178129.3  | 38373667 | uORF | MGC |
| Homo sapiens doublecortx; lissencephaly, X-linked (doublecortin) (DCX), transcript variant 4, mRNA                                                                                   | ref | NM,178151.1  | 30181239 | uORF | MGC |
| Homo sapiens doublecortx; lissencephaly, X-linked (doublecortin) (DCX), transcript variant 2, mRNA                                                                                   | ref | NM,178152.1  | 30181241 | uORF | MGC |
| Homo sapiens ATPase inhibitory factor 1 (ATP1F1), nuclear gene encoding mitochondrial protein, transcript variant 3, mRNA                                                            | ref | NM,178191.1  | 30260191 | uORF | MGC |
| Homo sapiens tumor suppressor candidate 3 (TUSC3), transcript variant 2, mRNA                                                                                                        | ref | NM,178234.1  | 30410789 | uORF | MGC |
| Homo sapiens serine palmitoyltransferase, long chain base subunit 1 (SPTLC1), transcript variant 2, mRNA                                                                             | ref | NM,178324.1  | 30474870 | uORF | MGC |
| Homo sapiens hypothetical protein MGC48332 (MGC48332), mRNA                                                                                                                          | ref | NM,178450.2  | 31341961 | uORF | MGC |
| Homo sapiens hypothetical protein MGC52019 (MGC52019), mRNA                                                                                                                          | ref | NM,178498.2  | 31341916 | uORF | MGC |
| Homo sapiens syntaxin binding protein 4 (STXBP4), mRNA                                                                                                                               | ref | NM,178509.3  | 34222266 | uORF | MGC |
| Homo sapiens hypothetical protein MGC45556 (MGC45556), mRNA                                                                                                                          | ref | NM,178523.2  | 31341824 | uORF | MGC |
| Homo sapiens hypothetical protein MGC33407 (MGC33407), mRNA                                                                                                                          | ref | NM,178525.2  | 31341825 | uORF | MGC |
| Homo sapiens hypothetical protein MGC48915 (MGC48915), mRNA                                                                                                                          | ref | NM,178540.2  | 31341752 | uORF | MGC |
| Homo sapiens ectonucleotide pyrophosphatase/phosphodiesterase 7 (ENPP7), mRNA                                                                                                        | ref | NM,178543.3  | 45545420 | uORF | MGC |
| Homo sapiens hypothetical protein MGC48998 (MGC48998), mRNA                                                                                                                          | ref | NM,178550.2  | 31341724 | uORF | MGC |
| Homo sapiens WD repeat and FYVE domain containing 3 (WDFY3), transcript variant 3, mRNA                                                                                              | ref | NM,178585.1  | 31317269 | uORF | MGC |
| Homo sapiens protein phosphatase 2, regulatory subunit B (B56), gamma isoform (PPP2R5C), transcript variant 4, mRNA                                                                  | ref | NM,178588.1  | 31083249 | uORF | MGC |
| Homo sapiens adaptor-related protein complex 1, sigma 3 subunit (AP1S3), mRNA                                                                                                        | ref | NM,178814.2  | 31341423 | uORF | MGC |
| Homo sapiens ADP-ribosylation factor-like 8 (ARL8), mRNA                                                                                                                             | ref | NM,178815.2  | 31341468 | uORF | MGC |
| Homo sapiens hypothetical protein LOC90768 (LOC90768), mRNA                                                                                                                          | ref | NM,178838.2  | 31343603 | uORF | MGC |
| Homo sapiens hypothetical protein MGC24047 (MGC24047), mRNA                                                                                                                          | ref | NM,178840.2  | 31341936 | uORF | MGC |
| Homo sapiens sideroflexin 2 (SFXN2), mRNA                                                                                                                                            | ref | NM,178858.3  | 34222270 | uORF | MGC |
| Homo sapiens zinc finger protein 183-like 1 (ZNF183L1), mRNA                                                                                                                         | ref | NM,178861.3  | 37059780 | uORF | MGC |
| Homo sapiens potassium channel tetramerisation domain containing 13 (KCTD13), mRNA                                                                                                   | ref | NM,178863.2  | 31341469 | uORF | MGC |
| Homo sapiens integrin beta 4 binding protein (ITGB4BP), transcript variant 2, mRNA                                                                                                   | ref | NM,181468.1  | 31563377 | uORF | MGC |
| Homo sapiens exosome component 8 (EXOSC8), mRNA                                                                                                                                      | ref | NM,181503.1  | 31415881 | uORF | MGC |
| Homo sapiens chromosome 14 open reading frame 29 (C14orf29), transcript variant 2, mRNA                                                                                              | ref | NM,181533.3  | 32451491 | uORF | MGC |
| Homo sapiens phosphatidylinositol transfer protein, cytoplasmic 1 (PITPNC1), transcript variant 2, mRNA                                                                              | ref | NM,181671.1  | 32307141 | uORF | MGC |
| Homo sapiens hypothetical protein LOC124773 (LOC124773), mRNA                                                                                                                        | ref | NM,181707.1  | 32698787 | uORF | MGC |
| Homo sapiens protein kinase (cAMP-dependent, catalytic) inhibitor beta (PKIB), transcript variant 1, mRNA                                                                            | ref | NM,181795.1  | 32483391 | uORF | MGC |
| Homo sapiens ubiquitin specific protease 12 (USP12), mRNA                                                                                                                            | ref | NM,182488.1  | 32698814 | uORF | MGC |
| Homo sapiens TAF4A protein (TAF4A), mRNA                                                                                                                                             | ref | NM,182522.2  | 40255264 | uORF | MGC |
| Homo sapiens hypothetical protein MGC50896 (MGC50896), mRNA                                                                                                                          | ref | NM,182553.1  | 32698937 | uORF | MGC |
| Homo sapiens hypothetical protein LOC282966 (LOC282966), mRNA                                                                                                                        | ref | NM,182554.1  | 32698931 | uORF | MGC |
| Homo sapiens hypothetical protein MGC44287 (MGC44287), mRNA                                                                                                                          | ref | NM,182607.2  | 34222376 | uORF | MGC |
| Homo sapiens hypothetical protein MGC40069 (MGC40069), mRNA                                                                                                                          | ref | NM,182615.1  | 33859820 | uORF | MGC |
| Homo sapiens hypothetical protein MGC52498 (MGC52498), mRNA                                                                                                                          | ref | NM,182621.1  | 32699055 | uORF | MGC |
| Homo sapiens hypothetical protein FLJ36766 (FLJ36766), mRNA                                                                                                                          | ref | NM,182623.1  | 32699057 | uORF | MGC |
| Homo sapiens ceramide kinase (CERK), transcript variant 2, mRNA                                                                                                                      | ref | NM,182661.1  | 32967302 | uORF | MGC |
| Homo sapiens Ras association (RalGDS/AF-6) domain family 5 (RASSF5), transcript variant 3, mRNA                                                                                      | ref | NM,182665.1  | 32996734 | uORF | MGC |
| Homo sapiens synaptophysin-like protein (SYPL), transcript variant 2, mRNA                                                                                                           | ref | NM,182715.1  | 33239442 | uORF | MGC |
| Homo sapiens speedy homolog 1 (Drosophila) (SPDY1), mRNA                                                                                                                             | ref | NM,182756.1  | 33300652 | uORF | MGC |
| Homo sapiens v-ets erythroblastosis virus E26 oncogene like (avian) (ERG), transcript variant 1, mRNA                                                                                | ref | NM,182918.2  | 46255022 | uORF | MGC |
| Homo sapiens hypothetical protein MGC52010 (MGC52010), mRNA                                                                                                                          | ref | NM,194326.1  | 34996526 | uORF | MGC |
| Homo sapiens sex comb on midleg-like 4 (Drosophila) (SCML4), mRNA                                                                                                                    | ref | NM,198081.1  | 37620211 | uORF | MGC |
| Homo sapiens similar to golgi autoantigen, golgin subfamily a, 2; SY11 protein (LOC374676), mRNA                                                                                     | ref | NM,198181.1  | 38044109 | uORF | MGC |
| Homo sapiens hypothetical protein LOC340061 (LOC340061), mRNA                                                                                                                        | ref | NM,198282.1  | 38093658 | uORF | MGC |
| Homo sapiens Ras-GTPase-activating protein SH3-domain-binding protein (G3BP), transcript variant 2, mRNA                                                                             | ref | NM,198395.1  | 38327551 | uORF | MGC |
| Homo sapiens Similar to RIKEN cDNA 1810046K07 gene (MGC50104), mRNA                                                                                                                  | ref | NM,198498.1  | 38343830 | uORF | MGC |
| Homo sapiens Similar to RIKEN cDNA 1810038N08 gene (MGC52022), mRNA                                                                                                                  | ref | NM,198563.1  | 38348401 | uORF | MGC |
| Homo sapiens OXyorf1-related protein (MGC52000), mRNA                                                                                                                                | ref | NM,198943.1  | 39573729 | uORF | MGC |
| Homo sapiens Similar to RIKEN cDNA Z310002J15 gene (MGC59937), mRNA                                                                                                                  | ref | NM,199001.1  | 39752886 | uORF | MGC |
| Homo sapiens thyroid hormone receptor, alpha (erythroblastic leukemia viral (v-erb-a) oncogene homolog, avian) (THRA), transcript variant 1, mRNA                                    | ref | NM,199334.2  | 46255056 | uORF | MGC |
| Homo sapiens mitogen-activated protein kinase kinase kinase 1 (MAP3K1), mRNA                                                                                                         | ref | XM,042066.8  | 37550278 | N/A  | MGC |
| Homo sapiens similar to Olfactory receptor 2D3 (LOC120775), mRNA                                                                                                                     | ref | XM,062285.1  | 17461456 | uORF | MGC |
| Homo sapiens similar to Olfactory receptor 56B4 (LOC196335), mRNA                                                                                                                    | ref | XM,115092.2  | 29746573 | uORF | MGC |
| Homo sapiens similar to Olfactory receptor 5A1 (OST181) (LOC219982), mRNA                                                                                                            | ref | NM,166899.3  | 37541141 | uORF | MGC |
| Homo sapiens similar to Olfactory receptor 2B3 (Olfactory receptor 6-4) (OR6-4) (Hs6M1-1) (LOC221571), mRNA                                                                          | ref | XM,167140.1  | 20555755 | uORF | MGC |
| Homo sapiens similar to Olfactory receptor 8D2 (Olfactory receptor-like protein JCG2) (LOC283180), mRNA                                                                              | ref | NM,208541.2  | 30156512 | uORF | MGC |
| Homo sapiens similar to Olfactory receptor 8D1 (Olfactory receptor-like protein JCG9) (OST004) (LOC283159), mRNA                                                                     | ref | XM,208543.2  | 30156506 | uORF | MGC |
| Homo sapiens similar to Olfactory receptor 5AY1 (LOC343170), mRNA                                                                                                                    | ref | XM,291436.1  | 29728998 | uORF | MGC |
| Homo sapiens similar to seven transmembrane helix receptor (LOC343171), mRNA                                                                                                         | ref | XM,291438.1  | 29729002 | uORF | MGC |
| Homo sapiens similar to seven transmembrane helix receptor (LOC343172), mRNA                                                                                                         | ref | XM,291439.1  | 29729004 | uORF | MGC |
| Homo sapiens similar to Olfactory receptor 2A12 (LOC346525), mRNA                                                                                                                    | ref | XM,294316.3  | 37338540 | uORF | MGC |
| Homo sapiens similar to Olfactory receptor 8A1 (OST025) (LOC380275), mRNA                                                                                                            | ref | XM,372443.1  | 41149503 | uORF | MGC |
| Homo sapiens ectonucleotide pyrophosphatase/phosphodiesterase 4 (putative function) (ENPP4), mRNA                                                                                    | ref | XM,376503.1  | 42657652 | uORF | MGC |
| Homo sapiens sarcoglycan, alpha (50kDa dystrophin-associated glycoprotein) (SGCA), mRNA                                                                                              | ref | NM,000203.1  | 4506910  | uORF | Ref |
| Homo sapiens adrenergic, beta-2-, receptor, surface (ADRB2), mRNA                                                                                                                    | ref | NM,000243.3  | 15718673 | uORF | Ref |
| Homo sapiens ATP-binding cassette, sub-family D (ALD), member 1 (ABCD1), mRNA                                                                                                        | ref | NM,000333.2  | 7262392  | uORF | Ref |
| Homo sapiens arginase, liver (ARG1), mRNA                                                                                                                                            | ref | NM,00045.2   | 10947138 | uORF | Ref |
| Homo sapiens aspartoacylase (aminoacylase 2, Canavan disease) (ASPA), mRNA                                                                                                           | ref | NM,00049.1   | 4557334  | uORF | Ref |
| Homo sapiens Bruton agammaglobulinemia tyrosine kinase (BTK), mRNA                                                                                                                   | ref | NM,00061.1   | 4557376  | N/A  | Ref |
| Homo sapiens Bruton agammaglobulinemia tyrosine kinase (BTK), mRNA                                                                                                                   | ref | NM,00066.1   | 4557376  | uORF | Ref |
| Homo sapiens carbonic anhydrase II (CA2), mRNA                                                                                                                                       | ref | NM,00067.1   | 4557394  | uORF | Ref |
| Homo sapiens cystathionine-beta-synthase (CBS), mRNA                                                                                                                                 | ref | NM,00071.1   | 4557414  | uORF | Ref |
| Homo sapiens cyclin-dependent kinase 4 (CDK4), mRNA                                                                                                                                  | ref | NM,00075.2   | 16936531 | N/A  | Ref |
| Homo sapiens cystatin B (stefin B) (CSTB), mRNA                                                                                                                                      | ref | NM,00100.2   | 20357564 | uORF | Ref |
| Homo sapiens damage-specific DNA binding protein 2, 48kDa (DSB2), mRNA                                                                                                               | ref | NM,00107.1   | 4557514  | uORF | Ref |
| Homo sapiens endothelin receptor type B (EDNRB), transcript variant 1, mRNA                                                                                                          | ref | NM,00115.1   | 4557546  | uORF | Ref |
| Homo sapiens electron-transfer-flavoprotein, alpha polypeptide (glutaric aciduria II) (ETFA), nuclear gene encoding mitochondrial protein, mRNA                                      | ref | NM,00126.1   | 4503606  | uORF | Ref |
| Homo sapiens fumarylacetoacetate hydrolase (fumarylacetoacetase) (FAH), mRNA                                                                                                         | ref | NM,00137.1   | 4557586  | uORF | Ref |
| Homo sapiens galactokinase 1 (GALK1), mRNA                                                                                                                                           | ref | NM,00154.1   | 4503894  | uORF | Ref |
| Homo sapiens glutaryl-Coenzyme A dehydrogenase (GCDH), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA                                                       | ref | NM,00159.2   | 50959149 | uORF | Ref |
| Homo sapiens glucagon receptor (GCGR), mRNA                                                                                                                                          | ref | NM,00160.1   | 4503946  | uORF | Ref |
| Homo sapiens gap junction protein, beta 1, 32kDa (connexin 32, Charcot-Marie-Tooth neuropathy, X-linked) (GJB1), mRNA                                                                | ref | NM,00166.2   | 31542846 | uORF | Ref |
| Homo sapiens glucuronidase, beta (GUSB), mRNA                                                                                                                                        | ref | NM,00181.1   | 4504222  | uORF | Ref |
| Homo sapiens hemoglobin, gamma G (HBG2), mRNA                                                                                                                                        | ref | NM,00184.1   | 6715606  | uORF | Ref |
| Homo sapiens hydroxymethylbilane synthase (HMBS), mRNA                                                                                                                               | ref | NM,00190.2   | 20149499 | uORF | Ref |
| Homo sapiens T-box 5 (TBX5), transcript variant 1, mRNA                                                                                                                              | ref | NM,00192.3   | 31652233 | uORF | Ref |
| Homo sapiens hydroxy-delta-5-steroid dehydrogenase, 3 beta-and steroid delta-isomerase 2 (HSD3B2), mRNA                                                                              | ref | NM,00198.2   | 50726973 | uORF | Ref |
| Homo sapiens histatin 3 (HTN3), mRNA                                                                                                                                                 | ref | NM,00200.1   | 4557652  | uORF | Ref |
| Homo sapiens interleukin 2 receptor, gamma (severe combined immunodeficiency) (IL2RG), mRNA                                                                                          | ref | NM,00206.1   | 4557881  | uORF | Ref |
| Homo sapiens insulin (INS), mRNA                                                                                                                                                     | ref | NM,00207.1   | 4557670  | uORF | Ref |
| Homo sapiens sarcoglycan, gamma (35kDa dystrophin-associated glycoprotein) (SGCG), mRNA                                                                                              | ref | NM,00231.1   | 4557846  | uORF | Ref |
| Homo sapiens non-metastatic cells 1, protein (NM23A) expressed in (NME1), mRNA                                                                                                       | ref | NM,00269.1   | 4557796  | uORF | Ref |
| Homo sapiens 6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) (PCBD), mRNA                                                     | ref | NM,00281.1   | 4557830  | uORF | Ref |
| Homo sapiens propionyl Coenzyme A carboxylase, alpha polypeptide (PCCA), mRNA                                                                                                        | ref | NM,00282.1   | 4557832  | uORF | Ref |
| Homo sapiens pyruvate dehydrogenase (lipoamide) alpha 1 (PDHA1), mRNA                                                                                                                | ref | NM,00284.1   | 4505684  | uORF | Ref |
| Homo sapiens peroxisomal biogenesis factor 12 (PEX12), mRNA                                                                                                                          | ref | NM,00286.1   | 4505720  | uORF | Ref |
| Homo sapiens palmitoyl-protein thioesterase 1 (ceroid-lipofuscinosis, neuronal 1, infantile) (PPT1), mRNA                                                                            | ref | NM,00301.0.2 | 50726955 | uORF | Ref |
| Homo sapiens 6-pyruvoyl-tetrahydropterin synthase (PTS), mRNA                                                                                                                        | ref | NM,00301.7.1 | 4506330  | uORF | Ref |
| Homo sapiens retinaldehyde binding protein 1 (RLBP1), mRNA                                                                                                                           | ref | NM,00326.3   | 38201694 | uORF | Ref |
| Homo sapiens retinal outer segment membrane protein 1 (ROM1), mRNA                                                                                                                   | ref | NM,00327.2   | 19743809 | uORF | Ref |
| Homo sapiens solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1 (SLC3A1), mRNA | ref | NM,00341.2   | 23308570 | uORF | Ref |
| Homo sapiens transforming growth factor, beta-induced, 88kDa (TGFB), mRNA                                                                                                            | ref | NM,00358.1   | 4507466  | uORF | Ref |
| Homo sapiens transglutaminase 1 (K polypeptide epidermal type 1 protein-glutamine-gamma-glutamyltransferase) (TGM1), mRNA                                                            | ref | NM,00359.1   | 4507474  | uORF | Ref |
| Homo sapiens triosephosphate isomerase 1 (TPI1), mRNA                                                                                                                                | ref | NM,00365.2   | 20070121 | uORF | Ref |
| Homo sapiens thiopurine S-methyltransferase (TPMT), mRNA                                                                                                                             | ref | NM,00367.1   | 4507652  | uORF | Ref |
| Homo sapiens transthyretin (prealbumin, amyloidosis type I) (TTR), mRNA                                                                                                              | ref | NM,00371.1   | 4507724  | uORF | Ref |
| Homo sapiens uroporphyrinogen III synthase (congenital erythropoietic porphyria) (UROS), mRNA                                                                                        | ref | NM,00375.1   | 4557872  | uORF | Ref |
| Homo sapiens vitamin D (1,25-dihydroxyvitamin D3) receptor (VDR), mRNA                                                                                                               | ref | NM,00376.1   | 4507882  | uORF | Ref |
| Homo sapiens solute carrier family 25 (carnitine/acylcarnitine translocase), member 20 (SLC25A20), nuclear gene encoding mitochondrial protein, mRNA                                 | ref | NM,00387.2   | 6006040  | uORF | Ref |
| Homo sapiens cathepsin K (pseudosialosis) (CTSK), mRNA                                                                                                                               | ref | NM,00396.1   | 4503150  | uORF | Ref |
| Homo sapiens diaphorase (NADH) (cytochrome b-5 reductase) (DIA1), transcript variant M, mRNA                                                                                         | ref | NM,00398.3   | 6552326  | uORF | Ref |
| Homo sapiens exostosins (multiple) 2 (EXT2), transcript variant 1, mRNA                                                                                                              | ref | NM,00401.2   | 46370067 | uORF | Ref |
| Homo sapiens glucose-6-phosphate dehydrogenase (G6PD), nuclear gene encoding mitochondrial protein, mRNA                                                                             | ref | NM,00402.2   | 21614519 | uORF | Ref |
| Homo sapiens UDP-galactose-4-epimerase (GALE), transcript variant 1, mRNA                                                                                                            | ref | NM,00403.3   | 56237022 | uORF | Ref |
| Homo sapiens platelet-activating factor acetylhydrolase, isoform 1b, alpha subunit 45kDa (PAFAH1B1), mRNA                                                                            | ref | NM,00430.2   | 6031206  | uORF | Ref |
| Homo sapiens mevalonate kinase (mevalonic aciduria) (MVK), mRNA                                                                                                                      | ref | NM,00431.1   | 4557768  | uORF | Ref |

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| Homo sapiens platelet/endothelial cell adhesion molecule (CD31 antigen) (PECAM1), mRNA                                                  | ref | NM_000442.2    | 21314616 | uORF | Ref |
| Homo sapiens regulatory factor X, 5 (influences HLA class II expression) (RFX5), mRNA                                                   | ref | NM_000449.2    | 16905514 | uORF | Ref |
| Homo sapiens superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult)) (SOD1), mRNA                                     | ref | NM_000454.1    | 4507148  | uORF | Ref |
| Homo sapiens transcription factor 2, hepatic; LF-B3, variant hepatic nuclear factor (TCF2), transcript variant a, mRNA                  | ref | NM_000458.1    | 4507396  | uORF | Ref |
| Homo sapiens TEK tyrosine kinase, endothelial (venous malformations, multiple cutaneous and mucosal) (TEK), mRNA                        | ref | NM_000459.1    | 4557868  | N/A  | Ref |
| Homo sapiens albumin (ALB), mRNA                                                                                                        | ref | NM_000477.3    | 8392890  | uORF | Ref |
| Homo sapiens apolipoprotein C-II (APOC2), mRNA                                                                                          | ref | NM_000483.2    | 5174775  | uORF | Ref |
| Homo sapiens amyloid beta (A4) precursor protein (protease nexin-II, Alzheimer disease) (APP), mRNA                                     | ref | NM_000484.1    | 4502166  | uORF | Ref |
| Homo sapiens aquaporin 2 (collecting duct) (AQP2), mRNA                                                                                 | ref | NM_000486.2    | 4755122  | uORF | Ref |
| Homo sapiens cytochrome P450, family 1, subfamily A, polypeptide 1 (CYP1A1), mRNA                                                       | ref | NM_000499.2    | 13325053 | uORF | Ref |
| Homo sapiens hemoglobin, delta (HBD), mRNA                                                                                              | ref | NM_000519.2    | 6633803  | uORF | Ref |
| Homo sapiens hemoglobin, gamma A (HBG1), mRNA                                                                                           | ref | NM_000559.1    | 4504352  | uORF | Ref |
| Homo sapiens interleukin 1, beta (IL1B), mRNA                                                                                           | ref | NM_000576.1    | 10835144 | uORF | Ref |
| Homo sapiens interleukin 15 (IL15), mRNA                                                                                                | ref | NM_000585.1    | 10835152 | uORF | Ref |
| Homo sapiens tumor necrosis factor (TNF superfamily, member 2) (TNF), mRNA                                                              | ref | NM_000594.2    | 25952110 | uORF | Ref |
| Homo sapiens orosomucoid 2 (ORM2), mRNA                                                                                                 | ref | NM_000608.1    | 4505528  | uORF | Ref |
| Homo sapiens serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 5 (SERPIN A5), mRNA       | ref | NM_000624.3    | 34147643 | uORF | Ref |
| Homo sapiens CD79B antigen (immunoglobulin-associated beta) (CD79B), transcript variant 1, mRNA                                         | ref | NM_000626.1    | 11038673 | uORF | Ref |
| Homo sapiens aminocyclase 1 (ACY1), mRNA                                                                                                | ref | NM_000666.1    | 4501900  | uORF | Ref |
| Homo sapiens adenosine A2a receptor (ADORA2A), mRNA                                                                                     | ref | NM_000675.3    | 17136146 | uORF | Ref |
| Homo sapiens S-adenosylhomocysteine hydrolase (AHCY), mRNA                                                                              | ref | NM_000687.1    | 9951914  | uORF | Ref |
| Homo sapiens aldehyde dehydrogenase 2 family (mitochondrial) (ALDH2), mRNA                                                              | ref | NM_000690.1    | 4502032  | uORF | Ref |
| Homo sapiens annexin A1 (ANXA1), mRNA                                                                                                   | ref | NM_000700.1    | 4502100  | uORF | Ref |
| Homo sapiens branched chain keto acid dehydrogenase E1, alpha polypeptide (maple syrup urine disease) (BCKDHA), mRNA                    | ref | NM_000709.2    | 38372929 | uORF | Ref |
| Homo sapiens benzodiazepine receptor (peripheral) (BZRP), transcript variant PBR, mRNA                                                  | ref | NM_000713.3    | 21536444 | uORF | Ref |
| Homo sapiens calcium channel, voltage-dependent, beta 1 subunit (CACNB1), transcript variant 1, mRNA                                    | ref | NM_000723.3    | 40804467 | uORF | Ref |
| Homo sapiens CD3D antigen, delta polypeptide (T1T3 complex) (CD3D), mRNA                                                                | ref | NM_000732.3    | 5575475  | uORF | Ref |
| Homo sapiens catechol-O-methyltransferase (COMT), transcript variant MB-COMT, mRNA                                                      | ref | NM_000754.2    | 6466451  | uORF | Ref |
| Homo sapiens colony stimulating factor 1 (macrophage) (CSF1), transcript variant 1, mRNA                                                | ref | NM_000757.3    | 27262660 | uORF | Ref |
| Homo sapiens cytochrome P450, family 2, subfamily A, polypeptide 7 (CYP2A7), transcript variant 1, mRNA                                 | ref | NM_000764.2    | 15147329 | uORF | Ref |
| Homo sapiens fibroblast growth factor 1 (acidic) (FGF1), transcript variant 1, mRNA                                                     | ref | NM_000800.2    | 15055546 | uORF | Ref |
| Homo sapiens FK506 binding protein 1A, 12kDa (FKBP1A), transcript variant 12B, mRNA                                                     | ref | NM_000801.2    | 17149837 | uORF | Ref |
| Homo sapiens gamma-aminobutyric acid (GABA) A receptor, alpha 5 (GABRA5), mRNA                                                          | ref | NM_000810.2    | 6031207  | uORF | Ref |
| Homo sapiens glutathione S-transferase M3 (brain) (GSTM3), mRNA                                                                         | ref | NM_000849.1    | 4504176  | uORF | Ref |
| Homo sapiens glutathione S-transferase M4 (GSTM4), mRNA                                                                                 | ref | NM_000850.2    | 20127413 | uORF | Ref |
| Homo sapiens glutathione S-transferase theta 2 (GSTT2), mRNA                                                                            | ref | NM_000854.2    | 7669495  | uORF | Ref |
| Homo sapiens guanylate kinase 1 (GUK1), mRNA                                                                                            | ref | NM_000858.2    | 20127414 | uORF | Ref |
| Homo sapiens hydroxyprostaglandin dehydrogenase 15-(NAD) (HPGD), mRNA                                                                   | ref | NM_000860.1    | 4504478  | uORF | Ref |
| Homo sapiens interleukin 7 (IL7), mRNA                                                                                                  | ref | NM_000880.2    | 29610152 | uORF | Ref |
| Homo sapiens NAD(P)H dehydrogenase, quinone 2 (NQO2), mRNA                                                                              | ref | NM_000904.1    | 4505416  | uORF | Ref |
| Homo sapiens neuropeptide Y receptor Y2 (NPY2R), mRNA                                                                                   | ref | NM_000910.1    | 4505446  | uORF | Ref |
| Homo sapiens opiate receptor--like 1 (OPRL1), mRNA                                                                                      | ref | NM_000913.1    | 4505512  | uORF | Ref |
| Homo sapiens pancreatic lipase (PNLIP), mRNA                                                                                            | ref | NM_000936.1    | 10834999 | uORF | Ref |
| Homo sapiens prostaglandin--endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase) (PTGS2), mRNA                       | ref | NM_000963.1    | 4506264  | uORF | Ref |
| Homo sapiens ribosomal protein L6 (RPL6), mRNA                                                                                          | ref | NM_000970.2    | 16753226 | uORF | Ref |
| Homo sapiens ribosomal protein L11 (RPL11), mRNA                                                                                        | ref | NM_000975.2    | 15431289 | uORF | Ref |
| Homo sapiens ribosomal protein L18 (RPL18), mRNA                                                                                        | ref | NM_000979.2    | 15431298 | uORF | Ref |
| Homo sapiens ribosomal protein L23a (RPL23A), mRNA                                                                                      | ref | NM_000984.2    | 17105393 | uORF | Ref |
| Homo sapiens ribosomal protein L30 (RPL30), mRNA                                                                                        | ref | NM_000989.2    | 15812218 | uORF | Ref |
| Homo sapiens ribosomal protein L29 (RPL29), mRNA                                                                                        | ref | NM_000992.2    | 17105395 | uORF | Ref |
| Homo sapiens ribosomal protein L31 (RPL31), mRNA                                                                                        | ref | NM_000993.2    | 15812219 | uORF | Ref |
| Homo sapiens ribosomal protein L37 (RPL37), mRNA                                                                                        | ref | NM_000997.2    | 16306560 | uORF | Ref |
| Homo sapiens ribosomal protein L38 (RPL38), mRNA                                                                                        | ref | NM_000999.2    | 16306562 | uORF | Ref |
| Homo sapiens growth factor receptor--bound protein 10 (GRB10), transcript variant 3, mRNA                                               | ref | NM_001001550.1 | 48762694 | uORF | Ref |
| Homo sapiens KIAA1914 (KIAA1914), transcript variant 1, mRNA                                                                            | ref | NM_001001936.1 | 50897849 | uORF | Ref |
| Homo sapiens glycoprotein M6B (GPM6B), transcript variant 2, mRNA                                                                       | ref | NM_001001996.1 | 50263049 | uORF | Ref |
| Homo sapiens host cell factor C1 regulator 1 (XPO1 dependant) (HCF C1R1), transcript variant 3, mRNA                                    | ref | NM_001002018.1 | 50952467 | uORF | Ref |
| Homo sapiens chromosome 9 open reading frame 115 (C9orf115), mRNA                                                                       | ref | NM_001002913.1 | 50897283 | uORF | Ref |
| Homo sapiens tumor protein D52-like 1 (TPD52L1), transcript variant 3, mRNA                                                             | ref | NM_001003396.1 | 51173745 | uORF | Ref |
| Homo sapiens ribosomal protein, large P2 (RPLP2), mRNA                                                                                  | ref | NM_0010042.1   | 16905512 | uORF | Ref |
| Homo sapiens similar to hypothetical protein FLJ36492 (MGC87631), mRNA                                                                  | ref | NM_001004306.1 | 51972185 | uORF | Ref |
| Homo sapiens receptor transporting protein 2 (RTP2), mRNA                                                                               | ref | NM_001004312.1 | 51972197 | uORF | Ref |
| Homo sapiens similar to CG32662-PA (MGC88374), mRNA                                                                                     | ref | NM_001004331.1 | 51972233 | uORF | Ref |
| Homo sapiens olfactory receptor, family 4, subfamily D, member 6 (OR4D6), mRNA                                                          | ref | NM_001004708.1 | 52317244 | uORF | Ref |
| Homo sapiens regulator of G-protein signalling 10 (RGS10), transcript variant 1, mRNA                                                   | ref | NM_001005339.1 | 52694754 | uORF | Ref |
| Homo sapiens neurotrophic tyrosine kinase, receptor, type 2 (NTRK2), transcript variant b, mRNA                                         | ref | NM_001007097.1 | 55956789 | uORF | Ref |
| Homo sapiens sterol carrier protein 2 (SCP2), transcript variant 2, mRNA                                                                | ref | NM_001007098.1 | 55956774 | uORF | Ref |
| Homo sapiens WD repeat domain 9 (WDR9), transcript variant 3, mRNA                                                                      | ref | NM_001007246.1 | 55956929 | uORF | Ref |
| Homo sapiens chromosome 21 open reading frame 18 (C21orf18), transcript variant 2, mRNA                                                 | ref | NM_001007258.1 | 55953060 | uORF | Ref |
| Homo sapiens amylase, alpha 1B; salivary (AMY1B), mRNA                                                                                  | ref | NM_001008218.1 | 56549661 | uORF | Ref |
| Homo sapiens similar to RIKEN cDNA 1500009M05 gene (LOC493856), mRNA                                                                    | ref | NM_001008388.1 | 56605993 | uORF | Ref |
| Homo sapiens solute carrier family 41, member 3 (SLC41A3), transcript variant 1, mRNA                                                   | ref | NM_001008485.1 | 56549672 | uORF | Ref |
| Homo sapiens Treacher Collins--Franceschetti syndrome 1 (TCOF1), transcript variant 3, mRNA                                             | ref | NM_001008857.1 | 57164978 | uORF | Ref |
| Homo sapiens armadillo repeat containing, X-linked 6 (ARMCX6), transcript variant 2, mRNA                                               | ref | NM_001009584.1 | 57546905 | uORF | Ref |
| Homo sapiens hypothetical protein LOC130074 (LOC130074), mRNA                                                                           | ref | NM_001009993.1 | 58000462 | uORF | Ref |
| Homo sapiens similar to 60S ribosomal protein L21 (LOC402176), mRNA                                                                     | ref | NM_001011538.1 | 58372151 | uORF | Ref |
| Homo sapiens ribosomal protein S9 (RPS9), mRNA                                                                                          | ref | NM_001013.2    | 14141192 | uORF | Ref |
| Homo sapiens ribosomal protein S10 (RPS10), mRNA                                                                                        | ref | NM_001014.2    | 13904867 | uORF | Ref |
| Homo sapiens ribosomal protein S11 (RPS11), mRNA                                                                                        | ref | NM_001015.2    | 14277698 | uORF | Ref |
| Homo sapiens ribosomal protein S12 (RPS12), mRNA                                                                                        | ref | NM_001016.2    | 14277699 | uORF | Ref |
| Homo sapiens ribosomal protein S15 (RPS15), mRNA                                                                                        | ref | NM_001018.2    | 14591911 | uORF | Ref |
| Homo sapiens ribosomal protein S16 (RPS16), mRNA                                                                                        | ref | NM_001020.2    | 14591912 | uORF | Ref |
| Homo sapiens ribosomal protein S17 (RPS17), mRNA                                                                                        | ref | NM_001021.2    | 14591913 | uORF | Ref |
| Homo sapiens ribosomal protein S19 (RPS19), mRNA                                                                                        | ref | NM_001022.3    | 48255921 | uORF | Ref |
| Homo sapiens ribosomal protein S20 (RPS20), mRNA                                                                                        | ref | NM_001023.2    | 14591915 | uORF | Ref |
| Homo sapiens ribosomal protein S26 (RPS26), mRNA                                                                                        | ref | NM_001029.2    | 15011935 | uORF | Ref |
| Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 4 (SLC22A4), mRNA                                        | ref | NM_001042.1    | 4507010  | uORF | Ref |
| Homo sapiens steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1) (SRD5A1), mRNA        | ref | NM_001047.1    | 4507200  | uORF | Ref |
| Homo sapiens sulfotransferase family, cytosolic, 1C, member 1 (SULT1C1), mRNA                                                           | ref | NM_001056.1    | 4507304  | uORF | Ref |
| Homo sapiens tubulin, gamma 1 (TUBG1), mRNA                                                                                             | ref | NM_001070.1    | 4507730  | uORF | Ref |
| Homo sapiens thymidylate synthetase (TYMS), mRNA                                                                                        | ref | NM_001071.1    | 4507750  | uORF | Ref |
| Homo sapiens procollagen--lysine, 2--oxoglutarate 5--dioxygenase 3 (PLOD3), mRNA                                                        | ref | NM_001084.2    | 21361165 | uORF | Ref |
| Homo sapiens arylacetamide deacetylase (esterase) (AADAC), mRNA                                                                         | ref | NM_001086.1    | 4557228  | uORF | Ref |
| Homo sapiens amiloride-sensitive cation channel 1, neuronal (dgenerin) (ACCN1), transcript variant 2, mRNA                              | ref | NM_001094.4    | 34452696 | uORF | Ref |
| Homo sapiens activin A receptor, type IIB (ACVR2B), mRNA                                                                                | ref | NM_001106.2    | 10862697 | N/A  | Ref |
| Homo sapiens adrenomedullin (ADM), mRNA                                                                                                 | ref | NM_001124.1    | 4501944  | uORF | Ref |
| Homo sapiens ADP--ribosylarginine hydrolase (ADPRH), mRNA                                                                               | ref | NM_001125.2    | 40549393 | uORF | Ref |
| Homo sapiens alanyl (membrane) aminopeptidase (aminopeptidase N, aminopeptidase M, microsomal aminopeptidase, CD13, p150) (ANPEP), mRNA | ref | NM_001150.1    | 4502094  | uORF | Ref |
| Homo sapiens annexin A5 (ANXA5), mRNA                                                                                                   | ref | NM_001154.2    | 4809273  | uORF | Ref |
| Homo sapiens annexin A11 (ANXA11), transcript variant a, mRNA                                                                           | ref | NM_001157.2    | 22165429 | uORF | Ref |
| Homo sapiens nudix (nucleoside diphosphate linked moiety X)-type motif 2 (NUDT2), transcript variant 1, mRNA                            | ref | NM_001161.3    | 22265329 | uORF | Ref |
| Homo sapiens baculoviral IAP repeat--containing 4 (BIRC4), mRNA                                                                         | ref | NM_001167.2    | 32528298 | uORF | Ref |
| Homo sapiens baculoviral IAP repeat--containing 5 (survivin) (BIRC5), mRNA                                                              | ref | NM_001168.1    | 4502144  | uORF | Ref |
| Homo sapiens Rho GDP dissociation inhibitor (GDI) beta (ARHGDB), mRNA                                                                   | ref | NM_001175.1    | 10835001 | uORF | Ref |
| Homo sapiens aryl hydrocarbon receptor nuclear translocator--like (ARNTL), mRNA                                                         | ref | NM_001178.3    | 42716310 | uORF | Ref |
| Homo sapiens ATPase, H+ transporting, lysosomal accessory protein 1 (ATP6AP1), mRNA                                                     | ref | NM_001183.3    | 37577154 | uORF | Ref |
| Homo sapiens bone morphogenetic protein receptor, type IB (BMPRIIB), mRNA                                                               | ref | NM_001203.1    | 4502430  | N/A  | Ref |
| Homo sapiens bone morphogenetic protein receptor, type IB (BMPRIIB), mRNA                                                               | ref | NM_001203.1    | 4502430  | uORF | Ref |
| Homo sapiens basic transcription factor 3 (BTF3), mRNA                                                                                  | ref | NM_001207.2    | 20070129 | uORF | Ref |
| Homo sapiens carbonic anhydrase IX (CA9), mRNA                                                                                          | ref | NM_001216.1    | 9955947  | uORF | Ref |
| Homo sapiens calumenin (CALU), mRNA                                                                                                     | ref | NM_001219.2    | 6005991  | uORF | Ref |
| Homo sapiens caveolin 3 (CAV3), transcript variant 2, mRNA                                                                              | ref | NM_001234.3    | 15451858 | uORF | Ref |
| Homo sapiens cyclin H (CCNH), mRNA                                                                                                      | ref | NM_001239.2    | 17738313 | uORF | Ref |
| Homo sapiens tumor necrosis factor receptor superfamily, member 5 (TNFRSF5), mRNA                                                       | ref | NM_001250.2    | 21361169 | uORF | Ref |
| Homo sapiens cyclin-dependent kinase 3 (CDK3), mRNA                                                                                     | ref | NM_001258.1    | 4557438  | N/A  | Ref |
| Homo sapiens cyclin-dependent kinase 3 (CDK3), mRNA                                                                                     | ref | NM_001258.1    | 4557438  | uORF | Ref |
| Homo sapiens cyclin-dependent kinase 6 (CDK6), mRNA                                                                                     | ref | NM_001259.2    | 16950658 | N/A  | Ref |
| Homo sapiens cyclin-dependent kinase 6 (CDK6), mRNA                                                                                     | ref | NM_001259.5    | 45827787 | uORF | Ref |
| Homo sapiens cyclin-dependent kinase 9 (CDC2--related kinase) (CDK9), mRNA                                                              | ref | NM_001261.2    | 17017983 | N/A  | Ref |
| Homo sapiens chromosome condensation 1 (CHC1), mRNA                                                                                     | ref | NM_001269.2    | 20149512 | uORF | Ref |
| Homo sapiens choline kinase (CHK), mRNA                                                                                                 | ref | NM_001277.1    | 4557454  | uORF | Ref |
| Homo sapiens cold inducible RNA binding protein (CIRBP), mRNA                                                                           | ref | NM_001280.1    | 4502846  | uORF | Ref |
| Homo sapiens chemokine binding protein 2 (CCBP2), mRNA                                                                                  | ref | NM_001296.3    | 37577160 | uORF | Ref |
| Homo sapiens claudin 3 (CLDN3), mRNA                                                                                                    | ref | NM_001306.2    | 21536298 | uORF | Ref |
| Homo sapiens claudin 7 (CLDN7), mRNA                                                                                                    | ref | NM_001307.1    | 10835007 | uORF | Ref |

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| Homo sapiens cysteine-rich protein 1 (intestinal) (CRIP1), mRNA                                                                                               | ref | NM_001311.2 | 20149513 | uORF | Ref |
| Homo sapiens cysteine-rich protein 2 (CRIP2), mRNA                                                                                                            | ref | NM_001312.2 | 31542322 | uORF | Ref |
| Homo sapiens cysteine and glycine-rich protein 2 (CSRIP2), mRNA                                                                                               | ref | NM_001321.1 | 4503100  | uORF | Ref |
| Homo sapiens cystatin SA (CST2), mRNA                                                                                                                         | ref | NM_001322.2 | 19882252 | uORF | Ref |
| Homo sapiens cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa (CSTF2), mRNA                                                                          | ref | NM_001325.1 | 4557492  | uORF | Ref |
| Homo sapiens aspartyl-tRNA synthetase (DARS), mRNA                                                                                                            | ref | NM_001349.2 | 45433005 | uORF | Ref |
| Homo sapiens aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase) (AKR1C1), mRNA            | ref | NM_001353.3 | 20149574 | uORF | Ref |
| Homo sapiens dihydroorotate dehydrogenase (DHODH), nuclear gene encoding mitochondrial protein, mRNA                                                          | ref | NM_001361.1 | 16753222 | uORF | Ref |
| Homo sapiens docking protein 1, 62kDa (downstream of tyrosine kinase 1) (DOK1), mRNA                                                                          | ref | NM_001381.2 | 4755133  | uORF | Ref |
| Homo sapiens dual specificity phosphatase 4 (DUSP4), transcript variant 1, mRNA                                                                               | ref | NM_001394.3 | 16950650 | uORF | Ref |
| Homo sapiens dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A (DYRK1A), transcript variant 1, mRNA                                           | ref | NM_001396.2 | 18765757 | N/A  | Ref |
| Homo sapiens epithelial membrane protein 3 (EMP3), mRNA                                                                                                       | ref | NM_001425.1 | 4503562  | uORF | Ref |
| Homo sapiens fatty acid binding protein 7, brain (FABP7), mRNA                                                                                                | ref | NM_001446.2 | 16950660 | uORF | Ref |
| Homo sapiens glypican 4 (GPC4), mRNA                                                                                                                          | ref | NM_001448.2 | 21614524 | uORF | Ref |
| Homo sapiens four and a half LIM domains 1 (FHL1), mRNA                                                                                                       | ref | NM_001449.2 | 21361121 | uORF | Ref |
| Homo sapiens four and a half LIM domains 2 (FHL2), mRNA                                                                                                       | ref | NM_001450.2 | 21361123 | uORF | Ref |
| Homo sapiens solute carrier family 37 (glycerol-6-phosphate transporter), member 4 (SLC37A4), mRNA                                                            | ref | NM_001467.2 | 21361125 | uORF | Ref |
| Homo sapiens GDP dissociation inhibitor 2 (GDI2), mRNA                                                                                                        | ref | NM_001494.2 | 6598322  | uORF | Ref |
| Homo sapiens gonadotropin-releasing hormone 2 (GNRH2), transcript variant 1, mRNA                                                                             | ref | NM_001501.1 | 4504056  | uORF | Ref |
| Homo sapiens general transcription factor IIH, polypeptide 4, 52kDa (GTF2H4), mRNA                                                                            | ref | NM_001517.1 | 4504200  | uORF | Ref |
| Homo sapiens heat shock factor binding protein 1 (HSBP1), mRNA                                                                                                | ref | NM_001537.1 | 4557646  | uORF | Ref |
| Homo sapiens intercellular adhesion molecule 4, Landsteiner-Wiener blood group (ICAM4), transcript variant 1, mRNA                                            | ref | NM_001544.2 | 12545400 | uORF | Ref |
| Homo sapiens interferon-induced protein with tetratricopeptide repeats 4 (IFIT4), mRNA                                                                        | ref | NM_001549.1 | 4504586  | uORF | Ref |
| Homo sapiens tumor necrosis factor receptor superfamily, member 9 (TNFRSF9), mRNA                                                                             | ref | NM_001561.3 | 20070135 | uORF | Ref |
| Homo sapiens interleukin 18 (interferon-gamma-inducing factor) (IL18), mRNA                                                                                   | ref | NM_001562.2 | 27502389 | uORF | Ref |
| Homo sapiens inhibitor of growth family, member 1-like (ING1L), mRNA                                                                                          | ref | NM_001564.1 | 4504694  | uORF | Ref |
| Homo sapiens eukaryotic translation initiation factor 3, subunit 6 48kDa (EIF3S6), mRNA                                                                       | ref | NM_001568.1 | 4503520  | uORF | Ref |
| Homo sapiens chromosome 11 open reading frame 8 (C11orf8), mRNA                                                                                               | ref | NM_001584.1 | 4502484  | uORF | Ref |
| Homo sapiens acid phosphatase 5, tartrate resistant (ACP5), mRNA                                                                                              | ref | NM_001611.2 | 6138970  | uORF | Ref |
| Homo sapiens acrosomal vesicle protein 1 (ACRV1), transcript variant 1, mRNA                                                                                  | ref | NM_001612.3 | 17105392 | uORF | Ref |
| Homo sapiens actin, alpha 2, smooth muscle, aorta (ACTA2), mRNA                                                                                               | ref | NM_001613.1 | 4501882  | uORF | Ref |
| Homo sapiens actin, gamma 2, smooth muscle, enteric (ACTG2), mRNA                                                                                             | ref | NM_001615.2 | 11038625 | uORF | Ref |
| Homo sapiens activin A receptor, type II (ACVR2), mRNA                                                                                                        | ref | NM_001616.2 | 10862696 | N/A  | Ref |
| Homo sapiens adrenergic, beta, receptor kinase 1 (ADRBK1), mRNA                                                                                               | ref | NM_001619.2 | 6138971  | N/A  | Ref |
| Homo sapiens alpha-2-HS-glycoprotein (AHSG), mRNA                                                                                                             | ref | NM_001622.1 | 4502004  | uORF | Ref |
| Homo sapiens allograft inflammatory factor 1 (AIF1), transcript variant 3, mRNA                                                                               | ref | NM_001623.3 | 14574567 | uORF | Ref |
| Homo sapiens adenylate kinase 2 (AK2), nuclear gene encoding mitochondrial protein, transcript variant AK2A, mRNA                                             | ref | NM_001625.1 | 4502012  | uORF | Ref |
| Homo sapiens v-akt murine thymoma viral oncogene homolog 2 (AKT2), mRNA                                                                                       | ref | NM_001626.2 | 6715585  | N/A  | Ref |
| Homo sapiens arachidonate 5-lipoxygenase-activating protein (ALOX5AP), mRNA                                                                                   | ref | NM_001629.2 | 15718674 | uORF | Ref |
| Homo sapiens alpha-1-microglobulin/bikunin precursor (AMBP), mRNA                                                                                             | ref | NM_001633.1 | 4502066  | uORF | Ref |
| Homo sapiens acylglyceryl hydrolase (neutrophil) (AOAH), mRNA                                                                                                 | ref | NM_001637.1 | 4502114  | uORF | Ref |
| Homo sapiens N-acylaminoacyl-peptide hydrolase (APEH), mRNA                                                                                                   | ref | NM_001640.3 | 23510450 | uORF | Ref |
| Homo sapiens APEX nuclease (multifunctional DNA repair enzyme) 1 (APEX1), transcript variant 1, mRNA                                                          | ref | NM_001641.2 | 18375500 | uORF | Ref |
| Homo sapiens aquaporin 5 (AQP5), mRNA                                                                                                                         | ref | NM_001651.1 | 4502182  | uORF | Ref |
| Homo sapiens v-raf murine sarcoma 3611 viral oncogene homolog 1 (ARAF1), mRNA                                                                                 | ref | NM_001654.1 | 4502192  | N/A  | Ref |
| Homo sapiens v-raf murine sarcoma 3611 viral oncogene homolog 1 (ARAF1), mRNA                                                                                 | ref | NM_001654.1 | 4502192  | uORF | Ref |
| Homo sapiens ADP-ribosylation factor domain protein 1, 64kDa (ARFD1), transcript variant alpha, mRNA                                                          | ref | NM_001656.2 | 15208639 | uORF | Ref |
| Homo sapiens ADP-ribosylation factor 3 (ARF3), mRNA                                                                                                           | ref | NM_001659.1 | 4502202  | uORF | Ref |
| Homo sapiens ADP-ribosylation factor 5 (ARF5), mRNA                                                                                                           | ref | NM_001662.2 | 6995999  | uORF | Ref |
| Homo sapiens ADP-ribosylation factor 6 (ARF6), mRNA                                                                                                           | ref | NM_001663.2 | 6996000  | uORF | Ref |
| Homo sapiens ras homolog gene family, member A (ARHA), mRNA                                                                                                   | ref | NM_001664.1 | 10835048 | uORF | Ref |
| Homo sapiens ADP-ribosylation factor-like 2 (ARL2), mRNA                                                                                                      | ref | NM_001667.1 | 4502228  | uORF | Ref |
| Homo sapiens asialoglycoprotein receptor 1 (ASGRI1), mRNA                                                                                                     | ref | NM_001671.2 | 18426870 | uORF | Ref |
| Homo sapiens asparagine synthetase (ASNS), transcript variant 2, mRNA                                                                                         | ref | NM_001673.2 | 19718771 | uORF | Ref |
| Homo sapiens ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, beta 3 polypeptide (ATPB3), mRNA                                                           | ref | NM_001679.1 | 4502280  | uORF | Ref |
| Homo sapiens FXD1 domain containing ion transport regulator 2 (FXD2), transcript variant a, mRNA                                                              | ref | NM_001680.2 | 11125765 | uORF | Ref |
| Homo sapiens ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, beta polypeptide (ATP5B), nuclear gene encoding mitochondrial protein, mRNA | ref | NM_001686.3 | 50345985 | uORF | Ref |
| Homo sapiens ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, subunit b, isoform 1 (ATP5F1), mRNA                                         | ref | NM_001688.2 | 21361564 | uORF | Ref |
| Homo sapiens ATPase, H <sup>+</sup> transporting, lysosomal 31kDa, V0 subunit E isoform 1 (ATP8V1E1), mRNA                                                    | ref | NM_001696.2 | 19913433 | uORF | Ref |
| Homo sapiens ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, O subunit (oligomycin sensitivity conferring protein) (ATP5O), mRNA         | ref | NM_001697.1 | 4502302  | uORF | Ref |
| Homo sapiens B-cell CLL/lymphoma 7B (BCL7B), transcript variant 1, mRNA                                                                                       | ref | NM_001707.2 | 20336472 | uORF | Ref |
| Homo sapiens BMX non-receptor tyrosine kinase (BMX), mRNA                                                                                                     | ref | NM_001721.2 | 21358831 | uORF | Ref |
| Homo sapiens polymerase (RNA) III (DNA directed) polypeptide D, 44kDa (POLR3D), mRNA                                                                          | ref | NM_001722.2 | 55769551 | uORF | Ref |
| Homo sapiens complement component 5 receptor 1 (C5a ligand) (C5R1), mRNA                                                                                      | ref | NM_001736.1 | 4502508  | uORF | Ref |
| Homo sapiens carbonic anhydrase I (CA1), mRNA                                                                                                                 | ref | NM_001738.1 | 4502516  | uORF | Ref |
| Homo sapiens calcium/calmodulin-dependent protein kinase IV (CAMK4), mRNA                                                                                     | ref | NM_001744.2 | 21314602 | uORF | Ref |
| Homo sapiens serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6 (SERPINA6), mRNA                              | ref | NM_001756.2 | 4580418  | uORF | Ref |
| Homo sapiens carbonyl reductase 1 (CBR1), mRNA                                                                                                                | ref | NM_001757.1 | 4502598  | uORF | Ref |
| Homo sapiens cyclin D2 (CCND2), mRNA                                                                                                                          | ref | NM_001759.2 | 16950656 | uORF | Ref |
| Homo sapiens cyclin D3 (CCND3), mRNA                                                                                                                          | ref | NM_001760.2 | 16950657 | uORF | Ref |
| Homo sapiens CD9 antigen (p24) (CD9), mRNA                                                                                                                    | ref | NM_001769.2 | 21237762 | uORF | Ref |
| Homo sapiens cell division cycle 2, G1 to S and G2 to M (CDC2), transcript variant 1, mRNA                                                                    | ref | NM_001786.2 | 16306490 | uORF | Ref |
| Homo sapiens cell division cycle 25C (CDC25C), transcript variant 1, mRNA                                                                                     | ref | NM_001790.2 | 12408659 | uORF | Ref |
| Homo sapiens cell division cycle 42 (GTP binding protein, 25kDa) (CDC42), transcript variant 1, mRNA                                                          | ref | NM_001791.2 | 16357470 | uORF | Ref |
| Homo sapiens cyclin-dependent kinase 7 (MO15 homolog, Xenopus laevis, cdk-activating kinase) (CDK7), mRNA                                                     | ref | NM_001799.2 | 16950656 | N/A  | Ref |
| Homo sapiens cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4) (CDKN2D), transcript variant 1, mRNA                                                   | ref | NM_001800.2 | 17981700 | uORF | Ref |
| Homo sapiens CDW52 antigen (CAMPATH-1 antigen) (CDW52), mRNA                                                                                                  | ref | NM_001803.1 | 4502760  | uORF | Ref |
| Homo sapiens creatine kinase, brain (CKB), mRNA                                                                                                               | ref | NM_001823.2 | 21536285 | uORF | Ref |
| Homo sapiens CDC28 protein kinase regulatory subunit 1B (CKS1B), mRNA                                                                                         | ref | NM_001826.1 | 4502856  | N/A  | Ref |
| Homo sapiens CDC28 protein kinase regulatory subunit 1B (CKS1B), mRNA                                                                                         | ref | NM_001826.1 | 4502856  | uORF | Ref |
| Homo sapiens CDC28 protein kinase regulatory subunit 2 (CKS2), mRNA                                                                                           | ref | NM_001827.1 | 4502858  | uORF | Ref |
| Homo sapiens clathrin, light polypeptide (Lca) (CLTA), transcript variant nonbrain, mRNA                                                                      | ref | NM_001833.1 | 4502898  | uORF | Ref |
| Homo sapiens calpain 3, acidic (CNN3), mRNA                                                                                                                   | ref | NM_001839.1 | 4502922  | uORF | Ref |
| Homo sapiens cannabinoid receptor 2 (macrophage) (CNR2), mRNA                                                                                                 | ref | NM_001841.1 | 4502928  | uORF | Ref |
| Homo sapiens solute carrier family 31 (copper transporters), member 2 (SLC31A2), mRNA                                                                         | ref | NM_001860.1 | 4507016  | uORF | Ref |
| Homo sapiens carboxypeptidase B1 (tissue) (CPB1), mRNA                                                                                                        | ref | NM_001871.2 | 54607078 | uORF | Ref |
| Homo sapiens cellular retinoic acid binding protein 2 (CRABP2), mRNA                                                                                          | ref | NM_001878.2 | 6382069  | uORF | Ref |
| Homo sapiens crystallin, zeta (quinone reductase) (CRY2), mRNA                                                                                                | ref | NM_001889.2 | 14251216 | uORF | Ref |
| Homo sapiens casein kinase 1, alpha 1 (CSNK1A1), mRNA                                                                                                         | ref | NM_001892.2 | 19923745 | N/A  | Ref |
| Homo sapiens casein kinase 1, delta (CSNK1D), transcript variant 1, mRNA                                                                                      | ref | NM_001893.3 | 20544143 | N/A  | Ref |
| Homo sapiens casein kinase 1, epsilon (CSNK1E), mRNA                                                                                                          | ref | NM_001894.2 | 21361332 | uORF | Ref |
| Homo sapiens casein kinase 2, alpha prime polypeptide (CSNK2A2), mRNA                                                                                         | ref | NM_001896.1 | 4503096  | N/A  | Ref |
| Homo sapiens casein kinase 2, alpha prime polypeptide (CSNK2A2), mRNA                                                                                         | ref | NM_001896.2 | 38708325 | uORF | Ref |
| Homo sapiens cystatin SN (CST1), mRNA                                                                                                                         | ref | NM_001898.2 | 19882250 | uORF | Ref |
| Homo sapiens cystatin SN (CST4), mRNA                                                                                                                         | ref | NM_001899.2 | 19882254 | uORF | Ref |
| Homo sapiens cystathionase (cystathionine gamma-lyase) (GTH), transcript variant 1, mRNA                                                                      | ref | NM_001902.2 | 21361333 | uORF | Ref |
| Homo sapiens chymotrypsinogen B1 (CTRB1), mRNA                                                                                                                | ref | NM_001906.1 | 4503134  | uORF | Ref |
| Homo sapiens growth arrest and DNA-damage-inducible, alpha (GADD45A), mRNA                                                                                    | ref | NM_001924.2 | 9790904  | uORF | Ref |
| Homo sapiens deoxyhypusine synthase (DHPS), transcript variant 1, mRNA                                                                                        | ref | NM_001930.2 | 7108341  | uORF | Ref |
| Homo sapiens dipeptidylpeptidase 4 (CD26, adenosine deaminase complexing protein 2) (DPP4), mRNA                                                              | ref | NM_001935.2 | 18765693 | uORF | Ref |
| Homo sapiens dual specificity phosphatase 6 (DUSP6), transcript variant 1, mRNA                                                                               | ref | NM_001946.1 | 4503418  | uORF | Ref |
| Homo sapiens E2F transcription factor 4, p107/p130-binding (E2F4), mRNA                                                                                       | ref | NM_001950.3 | 44829053 | uORF | Ref |
| Homo sapiens E2F transcription factor 6 (E2F6), mRNA                                                                                                          | ref | NM_001952.2 | 12669917 | uORF | Ref |
| Homo sapiens eukaryotic translation elongation factor 1 beta 2 (EEF1B2), transcript variant 1, mRNA                                                           | ref | NM_001959.2 | 16519564 | uORF | Ref |
| Homo sapiens eukaryotic translation elongation factor 2 (EEF2), mRNA                                                                                          | ref | NM_001961.2 | 25453476 | uORF | Ref |
| Homo sapiens eukaryotic translation initiation factor 5A (EIF5A), mRNA                                                                                        | ref | NM_001970.2 | 20070167 | uORF | Ref |
| Homo sapiens enolase 2, (gamma, neuronal) (ENO2), mRNA                                                                                                        | ref | NM_001975.2 | 16507966 | uORF | Ref |
| Homo sapiens epimorphin (EPM), mRNA                                                                                                                           | ref | NM_001980.1 | 4503586  | uORF | Ref |
| Homo sapiens v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian) (ERBB3), mRNA                                                                  | ref | NM_001982.1 | 4503596  | N/A  | Ref |
| Homo sapiens excision repair cross-complementing rodent repair deficiency, complementation group 1 (includes overlapping antisense sequence) (ERCC1), mRNA    | ref | NM_001983.1 | 4503598  | uORF | Ref |
| Homo sapiens coagulation factor III (thromboplastin, tissue factor) (F3), mRNA                                                                                | ref | NM_001993.2 | 10518499 | uORF | Ref |
| Homo sapiens Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed (fox derived); ribosomal protein S30 (FAU), mRNA                     | ref | NM_001997.2 | 17981708 | uORF | Ref |
| Homo sapiens Fc fragment of IgA, receptor for (FCAR), transcript variant 1, mRNA                                                                              | ref | NM_002000.2 | 19743855 | uORF | Ref |
| Homo sapiens Fc fragment of IgE, high affinity 1 receptor for: alpha polypeptide (FCER1A), mRNA                                                               | ref | NM_002001.1 | 4503674  | uORF | Ref |
| Homo sapiens feline sarcoma oncogene (FES), mRNA                                                                                                              | ref | NM_002005.2 | 13376997 | uORF | Ref |
| Homo sapiens fibroblast growth factor 7 (keratinocyte growth factor) (FGF7), mRNA                                                                             | ref | NM_002009.2 | 15147344 | uORF | Ref |
| Homo sapiens fragile histidine triad gene (FHT), mRNA                                                                                                         | ref | NM_002021.1 | 4503718  | uORF | Ref |
| Homo sapiens famexyltransferase, CAAX box, beta (FNTB), mRNA                                                                                                  | ref | NM_002028.2 | 21314601 | uORF | Ref |
| Homo sapiens FYN oncogene related to SRC, FGR, YES (FYN), mRNA                                                                                                | ref | NM_002037.1 | 4503822  | N/A  | Ref |
| Homo sapiens galactokinase 2 (GALK2), mRNA                                                                                                                    | ref | NM_002044.1 | 4503896  | uORF | Ref |
| Homo sapiens growth associated protein 43 (GAP43), mRNA                                                                                                       | ref | NM_002045.1 | 4503910  | uORF | Ref |
| Homo sapiens glyceraldehyde-3-phosphate dehydrogenase (GAPD), mRNA                                                                                            | ref | NM_002046.2 | 7669491  | uORF | Ref |
| Homo sapiens guanylate binding protein 1, interferon-inducible, 67kDa (GBP1), mRNA                                                                            | ref | NM_002053.1 | 4503938  | uORF | Ref |
| Homo sapiens glial fibrillary acidic protein (GFAP), mRNA                                                                                                     | ref | NM_002055.1 | 4503978  | uORF | Ref |
| Homo sapiens growth hormone 2 (GH2), transcript variant 1, mRNA                                                                                               | ref | NM_002059.3 | 20809256 | uORF | Ref |

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| Homo sapiens glutamate-cysteine ligase, modifier subunit (GCLM), mRNA                                                                            | ref | NM_002061.1 | 4504010 uORF  | Ref |
| Homo sapiens glutamate-ammonia ligase (glutamine synthase) (GLUL), mRNA                                                                          | ref | NM_002065.3 | 21361767 uORF | Ref |
| Homo sapiens guanine nucleotide binding protein (G protein), alpha 15 (Gq class) (GNA15), mRNA                                                   | ref | NM_002068.1 | 4504038 uORF  | Ref |
| Homo sapiens guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2 (GNAI2), mRNA                               | ref | NM_002070.1 | 4504040 uORF  | Ref |
| Homo sapiens guanine nucleotide binding protein (G protein), q polypeptide (GNAQ), mRNA                                                          | ref | NM_002072.1 | 4504044 uORF  | Ref |
| Homo sapiens glucosamine (N-acetyl)-6-sulfatase (Sanfilippo disease III) (GNS), mRNA                                                             | ref | NM_002076.2 | 42490755 uORF | Ref |
| Homo sapiens chemokine (C-X-C motif) ligand 2 (CXCL2), mRNA                                                                                      | ref | NM_002089.1 | 4504154 uORF  | Ref |
| Homo sapiens glycogen synthase kinase 3 beta (GSK3B), mRNA                                                                                       | ref | NM_002093.2 | 21361339 uORF | Ref |
| Homo sapiens general transcription factor IIE, transcript variant 2, beta 34kDa (GTF2E2), mRNA                                                   | ref | NM_002095.1 | 4504194 uORF  | Ref |
| Homo sapiens glycogen synthase 1 (muscle) (GYS1), mRNA                                                                                           | ref | NM_002103.3 | 34222292 uORF | Ref |
| Homo sapiens granzyme K (serine protease, granzyme 3, tryptase II) (GZMK), mRNA                                                                  | ref | NM_002104.1 | 4504234 uORF  | Ref |
| Homo sapiens H2A histone family, member Z (H2AFZ), mRNA                                                                                          | ref | NM_002106.2 | 20336749 uORF | Ref |
| Homo sapiens hemopoietic cell kinase (HCK), mRNA                                                                                                 | ref | NM_002110.1 | 4504356 uORF  | Ref |
| Homo sapiens high-mobility group box 1 (HMGB1), mRNA                                                                                             | ref | NM_002128.2 | 20149538 uORF | Ref |
| Homo sapiens high-mobility group box 2 (HMGB2), mRNA                                                                                             | ref | NM_002129.2 | 14141173 uORF | Ref |
| Homo sapiens heterogeneous nuclear ribonucleoprotein A1 (HNRPA1), transcript variant 1, mRNA                                                     | ref | NM_002136.1 | 4504444 uORF  | Ref |
| Homo sapiens heterogeneous nuclear ribonucleoprotein K (HNRPK), transcript variant 1, mRNA                                                       | ref | NM_002140.2 | 14165438 uORF | Ref |
| Homo sapiens hippocalcin (HPCA), mRNA                                                                                                            | ref | NM_002143.2 | 19913445 uORF | Ref |
| Homo sapiens hippocalcin-like 1 (HPCAL1), transcript variant 1, mRNA                                                                             | ref | NM_002149.2 | 19913440 uORF | Ref |
| Homo sapiens heat shock 60kDa protein 1 (chaperonin) (HSPD1), mRNA                                                                               | ref | NM_002156.1 | 4504520 uORF  | Ref |
| Homo sapiens heat shock 10kDa protein 1 (chaperonin 10) (HSPH1), mRNA                                                                            | ref | NM_002157.1 | 4504522 uORF  | Ref |
| Homo sapiens histatin 1 (HTN1), mRNA                                                                                                             | ref | NM_002159.2 | 21359863 uORF | Ref |
| Homo sapiens indoleamine-pyrrole 2,3 dioxygenase (INDO), mRNA                                                                                    | ref | NM_002164.1 | 4504576 uORF  | Ref |
| Homo sapiens inositol polyphosphate-1-phosphatase (INPP1), mRNA                                                                                  | ref | NM_002194.2 | 4755138 uORF  | Ref |
| Homo sapiens aconitase 1, soluble (ACO1), mRNA                                                                                                   | ref | NM_002197.1 | 8659554 uORF  | Ref |
| Homo sapiens interferon regulatory factor 1 (IRF1), mRNA                                                                                         | ref | NM_002198.1 | 4504720 uORF  | Ref |
| Homo sapiens interferon stimulated gene 20kDa (ISG20), mRNA                                                                                      | ref | NM_002201.3 | 20127423 uORF | Ref |
| Homo sapiens integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12) (ITGB1), transcript variant 1A, mRNA   | ref | NM_002211.2 | 19743812 uORF | Ref |
| Homo sapiens potassium voltage-gated channel, shaker-related subfamily, member 4 (KCNAA4), mRNA                                                  | ref | NM_002233.1 | 4504816 uORF  | Ref |
| Homo sapiens potassium inwardly-rectifying channel, subfamily J, member 15 (KCNJ15), mRNA                                                        | ref | NM_002243.2 | 21361126 uORF | Ref |
| Homo sapiens kinase insert domain receptor (a type III receptor tyrosine kinase) (KDR), mRNA                                                     | ref | NM_002253.1 | 11321596 N/A  | Ref |
| Homo sapiens killer cell lectin-like receptor subfamily D, member 1 (KLRD1), transcript variant 1, mRNA                                          | ref | NM_002262.2 | 7669497 uORF  | Ref |
| Homo sapiens keratin, hair, acidic, 3B (KRT43B), mRNA                                                                                            | ref | NM_002279.3 | 15002816 uORF | Ref |
| Homo sapiens leukocyte-associated Ig-like receptor 1 (LAIR1), transcript variant a, mRNA                                                         | ref | NM_002287.2 | 11231175 uORF | Ref |
| Homo sapiens lipocalin 1 (tear prealbumin) (LCN1), mRNA                                                                                          | ref | NM_002297.2 | 32455234 uORF | Ref |
| Homo sapiens lymphocyte cytosolic protein 1 (L-plastin) (LCP1), mRNA                                                                             | ref | NM_002298.2 | 7382490 uORF  | Ref |
| Homo sapiens lactate dehydrogenase B (LDHB), mRNA                                                                                                | ref | NM_002300.2 | 19923210 uORF | Ref |
| Homo sapiens lactate dehydrogenase C (LDHC), transcript variant 1, mRNA                                                                          | ref | NM_002301.2 | 9257229 uORF  | Ref |
| Homo sapiens lectin, galactoside-binding, soluble, 1 (galectin 1) (LGALS1), mRNA                                                                 | ref | NM_002305.2 | 6006015 uORF  | Ref |
| Homo sapiens lectin, galactoside-binding, soluble, 7 (galectin 7) (LGALS7), mRNA                                                                 | ref | NM_002307.1 | 4504984 uORF  | Ref |
| Homo sapiens LIM domain kinase 1 (LMK1), transcript variant 1, mRNA                                                                              | ref | NM_002314.2 | 8051616 N/A   | Ref |
| Homo sapiens LIM homeobox transcription factor 1, beta (LMXB), mRNA                                                                              | ref | NM_002316.1 | 4505006 uORF  | Ref |
| Homo sapiens v-yes-1 Yamaguchi sarcoma viral related oncogene homolog (LYN), mRNA                                                                | ref | NM_002350.1 | 4505054 N/A   | Ref |
| Homo sapiens melanoma antigen, family A, 4 (MAGEA4), mRNA                                                                                        | ref | NM_002362.2 | 19923733 uORF | Ref |
| Homo sapiens melanoma antigen, family B, 1 (MAGEB1), mRNA                                                                                        | ref | NM_002363.1 | 4505078 uORF  | Ref |
| Homo sapiens mago-nashi homolog, proliferation-associated (Drosophila) (MAGOH), mRNA                                                             | ref | NM_002370.2 | 6006021 uORF  | Ref |
| Homo sapiens mutated in colorectal cancers (MCC), mRNA                                                                                           | ref | NM_002387.1 | 4505128 uORF  | Ref |
| Homo sapiens solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2 (SLC3A2), mRNA                           | ref | NM_002394.3 | 34147653 uORF | Ref |
| Homo sapiens malic enzyme 1, NADP(+)-dependent, cytosolic (ME1), mRNA                                                                            | ref | NM_002395.2 | 13433400 uORF | Ref |
| Homo sapiens Meis 1, myeloid ecotropic viral integration site 1 homolog 2 (mouse) (MEIS2), transcript variant f, mRNA                            | ref | NM_002399.2 | 27502374 uORF | Ref |
| Homo sapiens mesoderm specific transcript homolog (mouse) (MEST), mRNA                                                                           | ref | NM_002402.1 | 4505154 uORF  | Ref |
| Homo sapiens microfilament-associated protein 2 (MFAP2), transcript variant 2, mRNA                                                              | ref | NM_002403.2 | 9665260 uORF  | Ref |
| Homo sapiens O-6-methylguanine-DNA methyltransferase (MGMT), mRNA                                                                                | ref | NM_002412.1 | 4505176 uORF  | Ref |
| Homo sapiens microsomal glutathione S-transferase 2 (MGST2), mRNA                                                                                | ref | NM_002413.3 | 22035639 uORF | Ref |
| Homo sapiens macrophage migration inhibitory factor (glycosylation-inhibiting factor) (MIF), mRNA                                                | ref | NM_002415.1 | 4505184 uORF  | Ref |
| Homo sapiens matrix metalloproteinase 19 (MMP19), transcript variant ras1-, mRNA                                                                 | ref | NM_002429.3 | 46358421 uORF | Ref |
| Homo sapiens menage a trois 1 (CAK assembly factor) (MNAT1), mRNA                                                                                | ref | NM_002431.1 | 4505224 uORF  | Ref |
| Homo sapiens mannose phosphate isomerase (MPI), mRNA                                                                                             | ref | NM_002435.1 | 4505234 uORF  | Ref |
| Homo sapiens membrane protein, palmitoylated 1, 55kDa (MPPI), mRNA                                                                               | ref | NM_002436.2 | 6006024 uORF  | Ref |
| Homo sapiens microseminoprotein, beta- (MSMB), transcript variant PSP94, mRNA                                                                    | ref | NM_002443.2 | 20302156 uORF | Ref |
| Homo sapiens macrophage stimulating 1 receptor (c-met-related tyrosine kinase) (MST1R), mRNA                                                     | ref | NM_002447.1 | 4505264 N/A   | Ref |
| Homo sapiens mevalonate (diphospho) decarboxylase (MVD), mRNA                                                                                    | ref | NM_002461.1 | 4505288 uORF  | Ref |
| Homo sapiens myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse) (MX1), mRNA                                      | ref | NM_002462.2 | 18490989 uORF | Ref |
| Homo sapiens myogenic factor 6 (herculin) (MYF6), mRNA                                                                                           | ref | NM_002469.1 | 4505298 uORF  | Ref |
| Homo sapiens myosin light chain 1 slow a (MLC1SA), mRNA                                                                                          | ref | NM_002475.2 | 17986280 uORF | Ref |
| Homo sapiens myosin, light polypeptide 4, alkali, atrial, embryonic (MYL4), mRNA                                                                 | ref | NM_002476.2 | 17921996 uORF | Ref |
| Homo sapiens myogenin (myogenic factor 4) (MYOG), mRNA                                                                                           | ref | NM_002479.2 | 18765726 uORF | Ref |
| Homo sapiens nuclear autoantigenic sperm protein (histone-binding) (NASP), transcript variant 2, mRNA                                            | ref | NM_002482.2 | 27262627 uORF | Ref |
| Homo sapiens nuclear cap binding protein subunit 1, 80kDa (NCBP1), mRNA                                                                          | ref | NM_002486.3 | 52851457 uORF | Ref |
| Homo sapiens NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12kDa (NDUFB3), mRNA                                                          | ref | NM_002491.1 | 4505360 uORF  | Ref |
| Homo sapiens NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa (NDUFB5), mRNA                                                          | ref | NM_002492.1 | 4505362 uORF  | Ref |
| Homo sapiens nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta (NFKB1B), mRNA                                   | ref | NM_002503.2 | 21361134 uORF | Ref |
| Homo sapiens non-metastatic cells 2, protein (NM23B) expressed in (NME2), mRNA                                                                   | ref | NM_002512.1 | 4505408 uORF  | Ref |
| Homo sapiens natriuretic peptide precursor B (NPPB), mRNA                                                                                        | ref | NM_002521.1 | 4505432 uORF  | Ref |
| Homo sapiens ornithine decarboxylase 1 (ODC1), mRNA                                                                                              | ref | NM_002539.1 | 4505488 uORF  | Ref |
| Homo sapiens outer dense fiber of sperm tails 2 (ODF2), transcript variant 1, mRNA                                                               | ref | NM_002540.3 | 24430180 uORF | Ref |
| Homo sapiens purinergic receptor P2X, ligand-gated ion channel, 1 (P2RX1), mRNA                                                                  | ref | NM_002558.2 | 27894283 uORF | Ref |
| Homo sapiens purinergic receptor P2X, ligand-gated ion channel, 5 (P2RX5), mRNA                                                                  | ref | NM_002561.1 | 4505550 uORF  | Ref |
| Homo sapiens platelet-activating factor acetylhydrolase, isoform 1b, beta subunit 30kDa (PAFAH1B2), mRNA                                         | ref | NM_002572.1 | 4505584 uORF  | Ref |
| Homo sapiens p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast) (PAK1), mRNA                                                               | ref | NM_002576.2 | 7382495 N/A   | Ref |
| Homo sapiens p21 (CDKN1A)-activated kinase 3 (PAK3), mRNA                                                                                        | ref | NM_002578.1 | 4505600 N/A   | Ref |
| Homo sapiens protocadherin gamma subfamily C, 3 (PCDHGC3), transcript variant 1, mRNA                                                            | ref | NM_002588.2 | 14277674 uORF | Ref |
| Homo sapiens phosphoenolpyruvate carboxykinase 1 (soluble) (PCK1), mRNA                                                                          | ref | NM_002591.2 | 32483400 uORF | Ref |
| Homo sapiens platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog) (PDGFB), transcript variant 1, mRNA | ref | NM_002608.1 | 4505680 uORF  | Ref |
| Homo sapiens 3-phosphoinositide dependent protein kinase-1 (PDPK1), mRNA                                                                         | ref | NM_002613.1 | 4505694 N/A   | Ref |
| Homo sapiens 3-phosphoinositide dependent protein kinase-1 (PDPK1), mRNA                                                                         | ref | NM_002613.3 | 60498971 uORF | Ref |
| Homo sapiens PDZ domain containing 1 (PDZK1), mRNA                                                                                               | ref | NM_002614.2 | 21361141 uORF | Ref |
| Homo sapiens peroxisome biogenesis factor 10 (PEX10), transcript variant 2, mRNA                                                                 | ref | NM_002617.3 | 24797087 uORF | Ref |
| Homo sapiens peroxisome biogenesis factor 13 (PEX13), mRNA                                                                                       | ref | NM_002618.2 | 46047483 uORF | Ref |
| Homo sapiens propenidin P factor, complement (PFC), mRNA                                                                                         | ref | NM_002621.1 | 4505736 uORF  | Ref |
| Homo sapiens prefoldin 1 (PFDN1), mRNA                                                                                                           | ref | NM_002622.3 | 21536448 uORF | Ref |
| Homo sapiens prefoldin 4 (PFDN4), mRNA                                                                                                           | ref | NM_002623.2 | 12408676 uORF | Ref |
| Homo sapiens phosphoglycerate mutase 1 (brain) (PGAM1), mRNA                                                                                     | ref | NM_002629.2 | 31543395 uORF | Ref |
| Homo sapiens phosphoglucomutase 1 (PGM1), mRNA                                                                                                   | ref | NM_002633.2 | 21361620 uORF | Ref |
| Homo sapiens phosphoinositide-3-kinase, class 3 (PIK3C3), mRNA                                                                                   | ref | NM_002647.1 | 4505800 uORF  | Ref |
| Homo sapiens pim-1 oncogene (PIM1), mRNA                                                                                                         | ref | NM_002648.1 | 4505810 uORF  | Ref |
| Homo sapiens prolactin-induced protein (PIP), mRNA                                                                                               | ref | NM_002652.1 | 4505820 uORF  | Ref |
| Homo sapiens peripheral myelin protein 2 (PMP2), mRNA                                                                                            | ref | NM_002677.1 | 4505908 uORF  | Ref |
| Homo sapiens phenylethanolamine N-methyltransferase (PNMT), mRNA                                                                                 | ref | NM_002686.2 | 31543421 uORF | Ref |
| Homo sapiens peanut-like 1 (Drosophila) (PNU1L1), mRNA                                                                                           | ref | NM_002688.2 | 9945438 uORF  | Ref |
| Homo sapiens polymerase (RNA) II (DNA directed) polypeptide C, 33kDa (POLR2C), transcript variant alpha, mRNA                                    | ref | NM_002694.2 | 14702172 uORF | Ref |
| Homo sapiens pro-platelet basic protein (chemokine (C-X-C motif) ligand 7) (PPBP), mRNA                                                          | ref | NM_002704.1 | 4505980 uORF  | Ref |
| Homo sapiens protein phosphatase 1, catalytic subunit, alpha isoform (PPP1CA), mRNA                                                              | ref | NM_002708.1 | 4506002 uORF  | Ref |
| Homo sapiens protein phosphatase 1, catalytic subunit, gamma isoform (PPP1CO), mRNA                                                              | ref | NM_002710.1 | 4506006 uORF  | Ref |
| Homo sapiens protein phosphatase 6, catalytic subunit (PP6C), mRNA                                                                               | ref | NM_002721.3 | 20127429 uORF | Ref |
| Homo sapiens protein kinase, cAMP-dependent, catalytic, beta (PRKACB), transcript variant 2, mRNA                                                | ref | NM_002731.1 | 4506056 N/A   | Ref |
| Homo sapiens protein kinase, cAMP-dependent, catalytic, gamma (PRKAGC), mRNA                                                                     | ref | NM_002732.2 | 15619014 N/A  | Ref |
| Homo sapiens protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1) (PRKARIA), mRNA                          | ref | NM_002734.1 | 4506062 uORF  | Ref |
| Homo sapiens protein kinase C, beta 1 (PRKCB1), mRNA                                                                                             | ref | NM_002738.2 | 20127449 N/A  | Ref |
| Homo sapiens protein kinase C, beta 1 (PRKCB1), transcript variant 2, mRNA                                                                       | ref | NM_002738.5 | 47157320 uORF | Ref |
| Homo sapiens protein kinase C, gamma (PRKCG), mRNA                                                                                               | ref | NM_002739.1 | 13384593 uORF | Ref |
| Homo sapiens protein kinase C-like 1 (PRKCL1), mRNA                                                                                              | ref | NM_002741.1 | 4506072 N/A   | Ref |
| Homo sapiens protein kinase C, mu (PRKCM), mRNA                                                                                                  | ref | NM_002742.1 | 4506074 N/A   | Ref |
| Homo sapiens protein kinase C, zeta (PRKCZ), mRNA                                                                                                | ref | NM_002744.2 | 10864649 N/A  | Ref |
| Homo sapiens mitogen-activated protein kinase 1 (MAPK1), transcript variant 1, mRNA                                                              | ref | NM_002745.2 | 20886528 N/A  | Ref |
| Homo sapiens mitogen-activated protein kinase 6 (MAPK6), mRNA                                                                                    | ref | NM_002748.2 | 16306569 N/A  | Ref |
| Homo sapiens mitogen-activated protein kinase 7 (MAPK7), transcript variant 3, mRNA                                                              | ref | NM_002749.2 | 20886496 uORF | Ref |
| Homo sapiens mitogen-activated protein kinase 8 (MAPK8), transcript variant 2, mRNA                                                              | ref | NM_002750.2 | 20886493 N/A  | Ref |
| Homo sapiens mitogen-activated protein kinase 9 (MAPK9), transcript variant 1, mRNA                                                              | ref | NM_002752.3 | 21237735 N/A  | Ref |
| Homo sapiens mitogen-activated protein kinase 10 (MAPK10), transcript variant 1, mRNA                                                            | ref | NM_002753.2 | 20886504 uORF | Ref |
| Homo sapiens mitogen-activated protein kinase 13 (MAPK13), mRNA                                                                                  | ref | NM_002754.3 | 20886527 N/A  | Ref |
| Homo sapiens mitogen-activated protein kinase 13 (MAPK13), mRNA                                                                                  | ref | NM_002754.3 | 20886527 uORF | Ref |
| Homo sapiens mitogen-activated protein kinase kinase 3 (MAP2K3), transcript variant A, mRNA                                                      | ref | NM_002756.2 | 21618346 N/A  | Ref |
| Homo sapiens kallikrein 6 (neurosin, zyme) (KLK6), mRNA                                                                                          | ref | NM_002774.2 | 21327702 uORF | Ref |
| Homo sapiens pregnancy specific beta-1-glycoprotein 9 (PSG9), mRNA                                                                               | ref | NM_002784.2 | 21314634 uORF | Ref |

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| Homo sapiens proteasome (prosome, macropain) subunit, alpha type, 2 (PSMA2), mRNA                                                            | ref | NM_002787.1 | 4506180 uORF  | Ref |
| Homo sapiens proteasome (prosome, macropain) subunit, alpha type, 3 (PSMA3), mRNA                                                            | ref | NM_002788.1 | 4506182 uORF  | Ref |
| Homo sapiens proteasome (prosome, macropain) subunit, alpha type, 4 (PSMA4), mRNA                                                            | ref | NM_002789.2 | 20149520 uORF | Ref |
| Homo sapiens proteasome (prosome, macropain) subunit, beta type, 1 (PSMB1), mRNA                                                             | ref | NM_002793.2 | 22538462 uORF | Ref |
| Homo sapiens proteasome (prosome, macropain) subunit, beta type, 3 (PSMB3), mRNA                                                             | ref | NM_002795.1 | 4506196 uORF  | Ref |
| Homo sapiens proteasome (prosome, macropain) subunit, beta type, 4 (PSMB4), mRNA                                                             | ref | NM_002796.1 | 4506198 uORF  | Ref |
| Homo sapiens proteasome (prosome, macropain) 26S subunit, ATPase, 1 (PSMC1), mRNA                                                            | ref | NM_002802.1 | 4506206 uORF  | Ref |
| Homo sapiens proteasome (prosome, macropain) 26S subunit, ATPase, 5 (PSMC5), mRNA                                                            | ref | NM_002805.1 | 4506212 uORF  | Ref |
| Homo sapiens proteasome (prosome, macropain) 26S subunit, non-ATPase, 4 (PSMD4), transcript variant 1, mRNA                                  | ref | NM_002810.1 | 5292160 uORF  | Ref |
| Homo sapiens proteasome (prosome, macropain) 26S subunit, non-ATPase, 9 (PSMD9), mRNA                                                        | ref | NM_002813.4 | 34335280 uORF | Ref |
| Homo sapiens proteasome (prosome, macropain) 26S subunit, non-ATPase, 11 (PSMD11), mRNA                                                      | ref | NM_002815.2 | 28872724 uORF | Ref |
| Homo sapiens PTK9 protein tyrosine kinase 9 (PTK9), mRNA                                                                                     | ref | NM_002822.1 | 4506274 uORF  | Ref |
| Homo sapiens prothymosin, alpha (gene sequence 28) (PTMA), mRNA                                                                              | ref | NM_002823.2 | 21359859 uORF | Ref |
| Homo sapiens protein tyrosine phosphatase, non-receptor type 1 (PTPN1), mRNA                                                                 | ref | NM_002827.2 | 18104977 uORF | Ref |
| Homo sapiens peroxisomal farnesylated protein (PKF), mRNA                                                                                    | ref | NM_002857.1 | 4506338 uORF  | Ref |
| Homo sapiens phosphate cytidylyltransferase 2, ethanolamine (PCYT2), mRNA                                                                    | ref | NM_002861.1 | 4506560 uORF  | Ref |
| Homo sapiens phosphorylase, glycogen; brain (PYGB), nuclear gene encoding mitochondrial protein, mRNA                                        | ref | NM_002862.2 | 21361389 uORF | Ref |
| Homo sapiens RAB2, member RAS oncogene family (RAB2), mRNA                                                                                   | ref | NM_002865.1 | 4506364 uORF  | Ref |
| Homo sapiens RAB38, member RAS oncogene family (RAB38), mRNA                                                                                 | ref | NM_002867.2 | 19923749 uORF | Ref |
| Homo sapiens RAB13, member RAS oncogene family (RAB13), mRNA                                                                                 | ref | NM_002870.1 | 4506362 uORF  | Ref |
| Homo sapiens v-ras-1 murine leukemia viral oncogene homolog 1 (RAF1), mRNA                                                                   | ref | NM_002880.1 | 4506400 uORF  | Ref |
| Homo sapiens v-ras simian leukemia viral oncogene homolog B (ras related; GTP binding protein) (RALB), mRNA                                  | ref | NM_002881.1 | 4506404 uORF  | Ref |
| Homo sapiens RAP1A, member of RAS oncogene family (RAP1A), mRNA                                                                              | ref | NM_002884.1 | 4506412 uORF  | Ref |
| Homo sapiens RNA binding motif, single stranded interacting protein 2 (RBMS2), mRNA                                                          | ref | NM_002898.1 | 4506448 uORF  | Ref |
| Homo sapiens recoverin (RCV1), mRNA                                                                                                          | ref | NM_002903.1 | 4506458 uORF  | Ref |
| Homo sapiens RD RNA binding protein (RDBP), mRNA                                                                                             | ref | NM_002904.4 | 20631983 uORF | Ref |
| Homo sapiens replication factor C (activator 1) 4, 37kDa (RFC4), mRNA                                                                        | ref | NM_002916.1 | 4506490 uORF  | Ref |
| Homo sapiens regulator of G-protein signalling 1 (RGS1), mRNA                                                                                | ref | NM_002922.2 | 21361446 uORF | Ref |
| Homo sapiens regulator of G-protein signalling 13 (RGS13), transcript variant 1, mRNA                                                        | ref | NM_002927.3 | 21464137 uORF | Ref |
| Homo sapiens replication protein A1, 70kDa (RPA1), mRNA                                                                                      | ref | NM_002945.2 | 20070171 uORF | Ref |
| Homo sapiens replication protein A2, 32kDa (RPA2), mRNA                                                                                      | ref | NM_002946.2 | 21314636 uORF | Ref |
| Homo sapiens ribosomal protein S2 (RPS2), mRNA                                                                                               | ref | NM_002952.2 | 15055538 uORF | Ref |
| Homo sapiens ribosomal protein S27a (RPS27A), mRNA                                                                                           | ref | NM_002954.2 | 15431307 uORF | Ref |
| Homo sapiens retinoid X receptor, alpha (RXRA), mRNA                                                                                         | ref | NM_002957.3 | 21536318 uORF | Ref |
| Homo sapiens S100 calcium binding protein A3 (S100A3), mRNA                                                                                  | ref | NM_002960.1 | 4506762 uORF  | Ref |
| Homo sapiens S100 calcium binding protein A7 (psoriasin 1) (S100A7), mRNA                                                                    | ref | NM_002963.2 | 9845518 uORF  | Ref |
| Homo sapiens S100 calcium binding protein A8 (calgranulin A) (S100A8), mRNA                                                                  | ref | NM_002964.3 | 21614543 uORF | Ref |
| Homo sapiens S100 calcium binding protein A10 (annexin II ligand, calpactin I light polypeptide (p11)) (S100A10), mRNA                       | ref | NM_002966.1 | 4506760 uORF  | Ref |
| Homo sapiens serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 4 (SERPINB4), mRNA                                       | ref | NM_002974.1 | 28078886 uORF | Ref |
| Homo sapiens small inducible cytokine A2 (monocyte chemoattractant protein 1) (SCYA2), mRNA                                                  | ref | NM_002982.1 | 4506840 uORF  | Ref |
| Homo sapiens chemokine (C-X-C motif) ligand 5 (CXCL5), mRNA                                                                                  | ref | NM_002994.2 | 20127430 uORF | Ref |
| Homo sapiens succinate dehydrogenase complex, subunit D, integral membrane protein (SDHD), nuclear gene encoding mitochondrial protein, mRNA | ref | NM_003002.1 | 4506864 uORF  | Ref |
| Homo sapiens secreted and transmembrane 1 (SECTM1), mRNA                                                                                     | ref | NM_003004.1 | 4506868 uORF  | Ref |
| Homo sapiens selectin P ligand (SELPLG), mRNA                                                                                                | ref | NM_003006.2 | 6031197 uORF  | Ref |
| Homo sapiens mitogen-activated protein kinase kinase 4 (MAP2K4), mRNA                                                                        | ref | NM_003010.1 | 4506888 N/A   | Ref |
| Homo sapiens small glutamine-rich tetratricopeptide repeat (TPR)-containing (SGT), mRNA                                                      | ref | NM_003021.2 | 13259553 uORF | Ref |
| Homo sapiens solute carrier family 7 (cationic amino acid transporter, y+ system), member 1 (SLC7A1), mRNA                                   | ref | NM_003045.3 | 51173150 uORF | Ref |
| Homo sapiens solute carrier family 10 (sodium/bile acid cotransporter family), member 1 (SLC10A1), mRNA                                      | ref | NM_003049.1 | 4506970 uORF  | Ref |
| Homo sapiens snail homolog 2 (Drosophila) (SNAI2), mRNA                                                                                      | ref | NM_003068.2 | 19923158 uORF | Ref |
| Homo sapiens synaptosomal-associated protein, 25kDa (SNAP25), transcript variant 1, mRNA                                                     | ref | NM_003081.2 | 18765732 uORF | Ref |
| Homo sapiens small nuclear ribonucleoprotein polypeptide B" (SNRPB2), transcript variant 1, mRNA                                             | ref | NM_003092.3 | 38149917 uORF | Ref |
| Homo sapiens sorting nexin 1 (SNX1), mRNA                                                                                                    | ref | NM_003099.1 | 4507138 uORF  | Ref |
| Homo sapiens sorbitol dehydrogenase (SORD), mRNA                                                                                             | ref | NM_003104.2 | 21314633 uORF | Ref |
| Homo sapiens UDP-N-acetylglucosamine pyrophosphorylase 1 (UAP1), mRNA                                                                        | ref | NM_003115.2 | 19923738 uORF | Ref |
| Homo sapiens sialophorin (gpL115, leukosialin, CD43) (SPN), mRNA                                                                             | ref | NM_003123.1 | 4507180 uORF  | Ref |
| Homo sapiens sorcin (SRI), mRNA                                                                                                              | ref | NM_003130.1 | 4507206 uORF  | Ref |
| Homo sapiens SFRS protein kinase 1 (SRPK1), mRNA                                                                                             | ref | NM_003137.2 | 15834623 N/A  | Ref |
| Homo sapiens structure specific recognition protein 1 (SSRP1), mRNA                                                                          | ref | NM_003146.2 | 28416943 uORF | Ref |
| Homo sapiens ribosomal protein S6 kinase, 70kDa, polypeptide 1 (RPS6KB1), mRNA                                                               | ref | NM_003161.1 | 4506736 uORF  | Ref |
| Homo sapiens spleen tyrosine kinase (SYK), mRNA                                                                                              | ref | NM_003177.3 | 34147655 uORF | Ref |
| Homo sapiens mitogen-activated protein kinase kinase kinase 7 (MAP3K7), transcript variant A, mRNA                                           | ref | NM_003188.2 | 21735560 N/A  | Ref |
| Homo sapiens mitogen-activated protein kinase kinase kinase 7 (MAP3K7), transcript variant A, mRNA                                           | ref | NM_003188.2 | 21735560 uORF | Ref |
| Homo sapiens tubulin-specific chaperone c (TBCC), mRNA                                                                                       | ref | NM_003192.1 | 4507372 uORF  | Ref |
| Homo sapiens tubulin-specific chaperone e (TBCE), mRNA                                                                                       | ref | NM_003193.2 | 6006029 uORF  | Ref |
| Homo sapiens transcription factor AP-4 (activating enhancer binding protein 4) (TFAP4), mRNA                                                 | ref | NM_003223.1 | 4507446 uORF  | Ref |
| Homo sapiens transforming growth factor, beta receptor II (70/80kDa) (TGFBRI2), mRNA                                                         | ref | NM_003242.2 | 19923237 N/A  | Ref |
| Homo sapiens TGFB-induced factor (TALE family homeobox) (TGIF), mRNA                                                                         | ref | NM_003244.1 | 4507472 uORF  | Ref |
| Homo sapiens thyroid hormone responsive (SPOT14 homolog, rat) (THRSP), mRNA                                                                  | ref | NM_003251.1 | 4507496 uORF  | Ref |
| Homo sapiens tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor) (TIMP1), mRNA                  | ref | NM_003254.1 | 4507508 uORF  | Ref |
| Homo sapiens claudin 5 (transmembrane protein deleted in velocardiofacial syndrome) (CLDN5), mRNA                                            | ref | NM_003277.1 | 4502878 uORF  | Ref |
| Homo sapiens tumor protein, translationally-controlled 1 (TPT1), mRNA                                                                        | ref | NM_003295.1 | 4507668 uORF  | Ref |
| Homo sapiens tissue specific transplantation antigen P35B (TSTA3), mRNA                                                                      | ref | NM_003313.2 | 6598326 uORF  | Ref |
| Homo sapiens DnaJ (Hsp40) homolog, subfamily C, member 7 (DNAJC7), mRNA                                                                      | ref | NM_003315.1 | 4507712 uORF  | Ref |
| Homo sapiens Tu translation elongation factor, mitochondrial (TUFM), mRNA                                                                    | ref | NM_003321.3 | 34147629 uORF | Ref |
| Homo sapiens ubiquitin-activating enzyme E1 (A159T and BN75 temperature sensitivity complementing) (UBE1), transcript variant 1, mRNA        | ref | NM_003334.2 | 23510337 uORF | Ref |
| Homo sapiens ubiquitin-activating enzyme E1-like (UBE1L), mRNA                                                                               | ref | NM_003335.2 | 38045947 uORF | Ref |
| Homo sapiens ubiquitin-conjugating enzyme E2B (RAD6 homolog) (UBE2B), mRNA                                                                   | ref | NM_003337.2 | 32967281 uORF | Ref |
| Homo sapiens ubiquitin-conjugating enzyme E2I (UBC9 homolog, yeast) (UBE2I), mRNA                                                            | ref | NM_003345.1 | 4507784 uORF  | Ref |
| Homo sapiens SMT3 suppressor of mif two 3 homolog 1 (yeast) (SUMO1), transcript variant 1, mRNA                                              | ref | NM_003352.4 | 54792063 uORF | Ref |
| Homo sapiens UDP-glucose ceramide glucosyltransferase (UGCG), mRNA                                                                           | ref | NM_003358.1 | 4507810 uORF  | Ref |
| Homo sapiens uracil-DNA glycosylase (UNG), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA                           | ref | NM_003362.2 | 19718744 uORF | Ref |
| Homo sapiens ubiquitin specific protease 4 (proto-oncogene) (USP4), transcript variant 1, mRNA                                               | ref | NM_003363.2 | 40795664 uORF | Ref |
| Homo sapiens von Hippel-Lindau binding protein 1 (VBP1), mRNA                                                                                | ref | NM_003372.3 | 21614497 uORF | Ref |
| Homo sapiens voltage-dependent anion channel 1 (VDAC1), mRNA                                                                                 | ref | NM_003374.1 | 4507878 uORF  | Ref |
| Homo sapiens vasoactive intestinal peptide receptor 2 (VIPR2), mRNA                                                                          | ref | NM_003382.2 | 21361556 uORF | Ref |
| Homo sapiens vaccinia related kinase 1 (VRK1), mRNA                                                                                          | ref | NM_003384.1 | 4507902 N/A   | Ref |
| Homo sapiens tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide (YWHAZ), transcript variant 1, mRNA    | ref | NM_003406.2 | 21735623 uORF | Ref |
| Homo sapiens zinc finger protein 36, C3H type, homolog (mouse) (ZFP36), mRNA                                                                 | ref | NM_003407.1 | 4507960 uORF  | Ref |
| Homo sapiens zinc finger protein 165 (ZNF165), mRNA                                                                                          | ref | NM_003447.1 | 4508000 uORF  | Ref |
| Homo sapiens protein tyrosine phosphatase type IVA, member 1 (PTP4A1), mRNA                                                                  | ref | NM_003463.2 | 17986281 uORF | Ref |
| Homo sapiens cysteine and glycine-rich protein 3 (cardiac LIM protein) (CSRP3), mRNA                                                         | ref | NM_003476.2 | 48762935 uORF | Ref |
| Homo sapiens ARD1 homolog, N-acetyltransferase (S. cerevisiae) (ARD1), mRNA                                                                  | ref | NM_003491.1 | 10835056 uORF | Ref |
| Homo sapiens histone 1, H4i (HIST1H4i), mRNA                                                                                                 | ref | NM_003495.2 | 18105065 uORF | Ref |
| Homo sapiens stannin (SNN), mRNA                                                                                                             | ref | NM_003498.2 | 19923171 uORF | Ref |
| Homo sapiens CDC45 cell division cycle 45-like (S. cerevisiae) (CDC45L), mRNA                                                                | ref | NM_003504.3 | 34335230 uORF | Ref |
| Homo sapiens histone 2, H2aa (HIST2H2AA), mRNA                                                                                               | ref | NM_003516.2 | 21328454 uORF | Ref |
| Homo sapiens non-metastatic cells 5, protein expressed in (nucleoside-diphosphate kinase) (NME5), mRNA                                       | ref | NM_003551.1 | 4505412 uORF  | Ref |
| Homo sapiens solute carrier family 25 (mitochondrial carrier, oxoglutarate carrier), member 11 (SLC25A11), mRNA                              | ref | NM_003562.2 | 21361113 uORF | Ref |
| Homo sapiens VAMP (vesicle-associated membrane protein)-associated protein A, 33kDa (VAPA), mRNA                                             | ref | NM_003574.2 | 20070155 uORF | Ref |
| Homo sapiens serine/threonine kinase 24 (STE20 homolog, yeast) (STK24), mRNA                                                                 | ref | NM_003576.2 | 20070157 uORF | Ref |
| Homo sapiens dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2 (DYRK2), transcript variant 1, mRNA                            | ref | NM_003583.2 | 5922002 N/A   | Ref |
| Homo sapiens serine/threonine kinase 6 (STK6), mRNA                                                                                          | ref | NM_003600.1 | 4507274 N/A   | Ref |
| Homo sapiens Ser-Thr protein kinase related to the myotonic dystrophy protein kinase (PK428), mRNA                                           | ref | NM_003607.1 | 4508930 N/A   | Ref |
| Homo sapiens HIRA interacting protein 3 (HIRIP3), mRNA                                                                                       | ref | NM_003609.2 | 21396499 uORF | Ref |
| Homo sapiens regulator of G-protein signalling 5 (RGS5), mRNA                                                                                | ref | NM_003617.2 | 41387215 uORF | Ref |
| Homo sapiens PTPRF interacting protein, binding protein 2 (liprin beta 2) (PFFIBP2), mRNA                                                    | ref | NM_003621.1 | 57163846 uORF | Ref |
| Homo sapiens peroxisomal biogenesis factor 3 (PEX3), mRNA                                                                                    | ref | NM_003630.1 | 4505726 uORF  | Ref |
| Homo sapiens cystatin F (leukocystatin) (CST7), mRNA                                                                                         | ref | NM_003650.2 | 20302138 uORF | Ref |
| Homo sapiens calcium/calmodulin-dependent protein kinase 1 (CAMK1), mRNA                                                                     | ref | NM_003656.3 | 21536281 uORF | Ref |
| Homo sapiens Pcin (PIR), mRNA                                                                                                                | ref | NM_003662.1 | 4505822 uORF  | Ref |
| Homo sapiens basic leucine zipper nuclear factor 1 (JEM-1) (BLZF1), mRNA                                                                     | ref | NM_003666.1 | 4504804 uORF  | Ref |
| Homo sapiens mitogen-activated protein kinase-activated protein kinase 5 (MAPKAPK5), transcript variant 1, mRNA                              | ref | NM_003668.2 | 21237764 uORF | Ref |
| Homo sapiens tbin-cap (thelethrin) (TCAP), mRNA                                                                                              | ref | NM_003673.2 | 19924299 uORF | Ref |
| Homo sapiens cyclin-dependent kinase (CDC2-like) 10 (CDK10), transcript variant 1, mRNA                                                      | ref | NM_003674.1 | 4502730 N/A   | Ref |
| Homo sapiens MAP kinase-interacting serine/threonine kinase 1 (MKNK1), mRNA                                                                  | ref | NM_003684.2 | 21361100 uORF | Ref |
| Homo sapiens calcium/calmodulin-dependent serine protein kinase (MAGUIK family) (CASK), mRNA                                                 | ref | NM_003688.1 | 4502566 N/A   | Ref |
| Homo sapiens serine/threonine kinase 16 (STK16), mRNA                                                                                        | ref | NM_003691.1 | 4505836 N/A   | Ref |
| Homo sapiens regulator of G-protein signalling 20 (RGS20), mRNA                                                                              | ref | NM_003702.2 | 13654234 uORF | Ref |
| Homo sapiens phosphatidic acid phosphatase type 2C (PPAP2C), mRNA                                                                            | ref | NM_003712.1 | 4505976 uORF  | Ref |
| Homo sapiens Down syndrome critical region gene 2 (DSOR2), mRNA                                                                              | ref | NM_003720.1 | 4505022 uORF  | Ref |
| Homo sapiens eukaryotic translation initiation factor 4E binding protein 3 (EIF4EBP3), mRNA                                                  | ref | NM_003732.1 | 4503536 uORF  | Ref |
| Homo sapiens aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II) (AKR1C3), mRNA                          | ref | NM_003739.4 | 24497582 uORF | Ref |
| Homo sapiens syntaxin 11 (STX11), mRNA                                                                                                       | ref | NM_003764.2 | 33867037 uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein L40 (MRPL40), mRNA                                                                              | ref | NM_003776.1 | 4505402 uORF  | Ref |
| Homo sapiens endothelial differentiation-related factor 1 (EDF1), mRNA                                                                       | ref | NM_003792.1 | 4503452 uORF  | Ref |

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|------------------------------------------------------------------------------------------------------------------------------|-----|-------------|---------------|-----|
| Homo sapiens sorting nexin 4 (SNX4), mRNA                                                                                    | ref | NM_003794.1 | 4507144 uORF  | Ref |
| Homo sapiens sorting nexin 3 (SNX3), mRNA                                                                                    | ref | NM_003795.1 | 4507142 uORF  | Ref |
| Homo sapiens GPAAP1 anchor attachment protein 1 homolog (yeast) (GPAAP1), mRNA                                               | ref | NM_003801.2 | 6031166 uORF  | Ref |
| Homo sapiens CASP2 and RBPK1 domain containing adaptor with death domain (CRADD), mRNA                                       | ref | NM_003805.2 | 22265328 uORF | Ref |
| Homo sapiens CDP-diacylglycerol synthase (phosphatidate cytidyltransferase) 2 (CDS2), mRNA                                   | ref | NM_003818.2 | 22035625 uORF | Ref |
| Homo sapiens receptor-interacting serine-threonine kinase 2 (RIPK2), mRNA                                                    | ref | NM_003821.2 | 20127435 uORF | Ref |
| Homo sapiens synaptosomal-associated protein, 23kDa (SNAP23), transcript variant 1, mRNA                                     | ref | NM_003825.2 | 18765728 uORF | Ref |
| Homo sapiens N-ethylmaleimide-sensitive factor attachment protein, alpha (NAPAF), mRNA                                       | ref | NM_003827.2 | 47933378 uORF | Ref |
| Homo sapiens sudD suppressor of bimD6 homolog (A. nidulans) (SUDD), mRNA                                                     | ref | NM_003831.1 | 4507296 uORF  | Ref |
| Homo sapiens dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4 (DYRK4), mRNA                                  | ref | NM_003845.1 | 28827773 uORF | Ref |
| Homo sapiens peroxisomal biogenesis factor 11A (PEX11A), mRNA                                                                | ref | NM_003847.1 | 4505716 uORF  | Ref |
| Homo sapiens interleukin 18 receptor accessory protein (IL18RAP), mRNA                                                       | ref | NM_003853.2 | 27477087 uORF | Ref |
| Homo sapiens CD84 antigen (leukocyte antigen) (CD84), mRNA                                                                   | ref | NM_003874.1 | 4502686 uORF  | Ref |
| Homo sapiens suppressor of cytokine signaling 2 (SOCS2), mRNA                                                                | ref | NM_003877.3 | 21536304 uORF | Ref |
| Homo sapiens gamma-glutamyl hydrolase (conjugase, folypolygamma-glutamyl hydrolase) (GGH), mRNA                              | ref | NM_003878.1 | 4503986 uORF  | Ref |
| Homo sapiens cyclin-dependent kinase 5, regulatory subunit 1 (p35) (CDK5R1), mRNA                                            | ref | NM_003885.1 | 4502736 uORF  | Ref |
| Homo sapiens protein Z, vitamin K-dependent plasma glycoprotein (PROZ), mRNA                                                 | ref | NM_003891.1 | 4506120 uORF  | Ref |
| Homo sapiens immediate early response 3 (IER3), transcript variant short, mRNA                                               | ref | NM_003897.2 | 16554595 uORF | Ref |
| Homo sapiens sequestosome 1 (SQSTM1), mRNA                                                                                   | ref | NM_003900.2 | 19923742 uORF | Ref |
| Homo sapiens eukaryotic translation initiation factor 2B, subunit 5 epsilon, 82kDa (EIF2B5), mRNA                            | ref | NM_003907.1 | 33667022 uORF | Ref |
| Homo sapiens eukaryotic translation initiation factor 2, subunit 2 beta, 38kDa (EIF2S2), mRNA                                | ref | NM_003908.1 | 4503504 uORF  | Ref |
| Homo sapiens maternal G10 transcript (G10), mRNA                                                                             | ref | NM_003910.2 | 32171174 uORF | Ref |
| Homo sapiens copine 1 (CPNE1), transcript variant 3, mRNA                                                                    | ref | NM_003915.2 | 23397694 uORF | Ref |
| Homo sapiens RAB7, member RAS oncogene family-like 1 (RAB7L1), mRNA                                                          | ref | NM_003929.1 | 4506374 uORF  | Ref |
| Homo sapiens src family associated phosphoprotein 2 (SCAP2), mRNA                                                            | ref | NM_003930.2 | 16753211 uORF | Ref |
| Homo sapiens ribosomal protein S6 kinase, 90kDa, polypeptide 4 (RPS6KA4), mRNA                                               | ref | NM_003942.1 | 4506734 N/A   | Ref |
| Homo sapiens cyclin-dependent kinase-like 2 (CDC2-related kinase) (CDKL2), mRNA                                              | ref | NM_003948.2 | 10938004 N/A  | Ref |
| Homo sapiens ribosomal protein S6 kinase, 70kDa, polypeptide 2 (RPS6KB2), mRNA                                               | ref | NM_003952.1 | 4506738 N/A   | Ref |
| Homo sapiens SH2 domain protein 2A (SH2D2A), mRNA                                                                            | ref | NM_003975.1 | 4503632 uORF  | Ref |
| Homo sapiens proline-serine-threonine phosphatase interacting protein 1 (PSTPIP1), mRNA                                      | ref | NM_003978.2 | 20149527 uORF | Ref |
| Homo sapiens butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1 (BBOX1), mRNA             | ref | NM_003986.1 | 4502368 uORF  | Ref |
| Homo sapiens Fc fragment of IgG, low affinity IIb, receptor (CD32) (FCGR2B), transcript variant 1, mRNA                      | ref | NM_004001.3 | 50511929 uORF | Ref |
| Homo sapiens dystrophin (muscular dystrophy, Duchenne and Becker types) (DMD), transcript variant Dp71b, mRNA                | ref | NM_004016.1 | 5032298 uORF  | Ref |
| Homo sapiens 3-hydroxybutyrate dehydrogenase (heart, mitochondrial) (BDH), nuclear gene encoding mitochondrial protein, mRNA | ref | NM_004051.1 | 17738291 uORF | Ref |
| Homo sapiens calpain 5 (CAPN5), mRNA                                                                                         | ref | NM_004055.3 | 37577156 uORF | Ref |
| Homo sapiens cyclin-dependent kinase inhibitor 1B (p27, Kip1) (CDKN1B), mRNA                                                 | ref | NM_004064.2 | 17978497 uORF | Ref |
| Homo sapiens centrin, EF-hand protein, 1 (CETN1), mRNA                                                                       | ref | NM_004066.1 | 4757973 uORF  | Ref |
| Homo sapiens chloride channel Ka (CLCNKA), mRNA                                                                              | ref | NM_004070.2 | 31542310 uORF | Ref |
| Homo sapiens CDC-like kinase 1 (CLK1), mRNA                                                                                  | ref | NM_004071.1 | 4758007 N/A   | Ref |
| Homo sapiens cysteine and glycine-rich protein 1 (CSRP1), mRNA                                                               | ref | NM_004078.1 | 4758085 uORF  | Ref |
| Homo sapiens deoxynucleotidyltransferase, terminal (DNTT), mRNA                                                              | ref | NM_004088.1 | 4758185 uORF  | Ref |
| Homo sapiens delta sleep inducing peptide, immunoreactor (DSIP), mRNA                                                        | ref | NM_004089.1 | 4758197 uORF  | Ref |
| Homo sapiens dual specificity phosphatase 3 (vaccinia virus phosphatase VH1-related) (DUSP3), mRNA                           | ref | NM_004090.1 | 4758207 uORF  | Ref |
| Homo sapiens eukaryotic translation initiation factor 2, subunit 1 alpha, 39kDa (EIF2S1), mRNA                               | ref | NM_004094.2 | 19923248 uORF | Ref |
| Homo sapiens fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor) (FABP3), mRNA                 | ref | NM_004102.2 | 10938020 uORF | Ref |
| Homo sapiens protein tyrosine kinase 2 beta (PTK2B), mRNA                                                                    | ref | NM_004103.2 | 20070173 N/A  | Ref |
| Homo sapiens EGF-containing fibulin-like extracellular matrix protein 1 (EFEMP1), transcript variant 1, mRNA                 | ref | NM_004105.2 | 9665261 uORF  | Ref |
| Homo sapiens fibroblast growth factor 13 (FGF13), transcript variant 1A, mRNA                                                | ref | NM_004114.2 | 16306544 uORF | Ref |
| Homo sapiens G protein pathway suppressor 1 (GPS1), mRNA                                                                     | ref | NM_004127.3 | 13435380 uORF | Ref |
| Homo sapiens NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7, 18kDa (NDUFB7), mRNA                                      | ref | NM_004146.3 | 20149556 uORF | Ref |
| Homo sapiens nirjurin 1 (NINJ1), mRNA                                                                                        | ref | NM_004148.2 | 31543289 uORF | Ref |
| Homo sapiens origin recognition complex, subunit 1-like (yeast) (ORC1L), mRNA                                                | ref | NM_004153.2 | 31795543 uORF | Ref |
| Homo sapiens serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 9 (SERPINB9), mRNA                       | ref | NM_004155.2 | 19923258 uORF | Ref |
| Homo sapiens proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional protease 7) (PSMB8), mRNA          | ref | NM_004159.1 | 4758969 uORF  | Ref |
| Homo sapiens retinol binding protein 2, cellular (RBP2), mRNA                                                                | ref | NM_004164.2 | 40354213 uORF | Ref |
| Homo sapiens syntaxin 3A (STX3A), mRNA                                                                                       | ref | NM_004177.3 | 34147491 uORF | Ref |
| Homo sapiens ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase) (UOHL1), mRNA                                 | ref | NM_004181.2 | 21361090 uORF | Ref |
| Homo sapiens cyclin-dependent kinase-like 1 (CDC2-related kinase) (CDKL1), mRNA                                              | ref | NM_004196.2 | 11125775 N/A  | Ref |
| Homo sapiens thymosin, beta 4, Y chromosome (TMSB4Y), mRNA                                                                   | ref | NM_004202.1 | 4759243 uORF  | Ref |
| Homo sapiens fibroblast growth factor (acidic) intracellular binding protein (FIBP), mRNA                                    | ref | NM_004214.3 | 7262377 uORF  | Ref |
| Homo sapiens estrogen receptor binding site associated, antigen, 9 (EBAG9), mRNA                                             | ref | NM_004215.2 | 14577926 uORF | Ref |
| Homo sapiens aurora kinase B (AURKB), mRNA                                                                                   | ref | NM_004217.1 | 4759177 N/A   | Ref |
| Homo sapiens natural killer cell transcript 4 (NK4), mRNA                                                                    | ref | NM_004221.2 | 20127462 uORF | Ref |
| Homo sapiens ubiquitin-conjugating enzyme E2L 6 (UBE2L6), mRNA                                                               | ref | NM_004223.1 | 4759261 uORF  | Ref |
| Homo sapiens serine/threonine kinase 17b (apoptosis-inducing) (STK17B), mRNA                                                 | ref | NM_004226.1 | 4758193 N/A   | Ref |
| Homo sapiens pleckstrin homology, Sec7 and coiled-coil domains 3 (PSCD3), mRNA                                               | ref | NM_004227.3 | 33946275 uORF | Ref |
| Homo sapiens thyroid hormone receptor interactor 10 (TRIP10), mRNA                                                           | ref | NM_004240.2 | 42516568 uORF | Ref |
| Homo sapiens RAB9A, member RAS oncogene family (RAB9A), mRNA                                                                 | ref | NM_004251.2 | 20070189 uORF | Ref |
| Homo sapiens solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulatory factor 1 (SLC9A3R1), mRNA             | ref | NM_004252.1 | 4759139 uORF  | Ref |
| Homo sapiens SRB7 suppressor of RNA polymerase B homolog (yeast) (SURB7), mRNA                                               | ref | NM_004264.2 | 21361160 uORF | Ref |
| Homo sapiens lymphocyte antigen 86 (LY86), mRNA                                                                              | ref | NM_004271.1 | 4758707 uORF  | Ref |
| Homo sapiens BCL2-associated athanogene 3 (BAG3), mRNA                                                                       | ref | NM_004281.2 | 14043023 uORF | Ref |
| Homo sapiens RAB3D, member RAS oncogene family (RAB3D), mRNA                                                                 | ref | NM_004283.2 | 18677727 uORF | Ref |
| Homo sapiens GTP binding protein 1 (GTPBP1), mRNA                                                                            | ref | NM_004286.2 | 21361179 uORF | Ref |
| Homo sapiens cocaine- and amphetamine-regulated transcript (CART), mRNA                                                      | ref | NM_004291.1 | 4757909 uORF  | Ref |
| Homo sapiens Rho GDP dissociation inhibitor (GDI) alpha (ARHGDI2A), mRNA                                                     | ref | NM_004309.2 | 20149550 uORF | Ref |
| Homo sapiens ras homolog gene family, member H (RHOF), mRNA                                                                  | ref | NM_004310.2 | 45827772 uORF | Ref |
| Homo sapiens ADP-ribosylation factor-like 3 (ARL3), mRNA                                                                     | ref | NM_004311.1 | 4757773 uORF  | Ref |
| Homo sapiens BCL2/adenovirus E1B 19kDa interacting protein 3-like (BNIP3L), mRNA                                             | ref | NM_004331.1 | 4757859 uORF  | Ref |
| Homo sapiens caspase 3, apoptosis-related cysteine protease (CASP3), transcript variant alpha, mRNA                          | ref | NM_004346.2 | 14790118 uORF | Ref |
| Homo sapiens CD151 antigen (CD151), transcript variant 1, mRNA                                                               | ref | NM_004357.2 | 21237747 uORF | Ref |
| Homo sapiens calmagin (CLGN), mRNA                                                                                           | ref | NM_004362.1 | 4758003 uORF  | Ref |
| Homo sapiens cytochrome c oxidase subunit VIa polypeptide 1 (COX6A1), nuclear gene encoding mitochondrial protein, mRNA      | ref | NM_004373.2 | 17995527 uORF | Ref |
| Homo sapiens corticotropin releasing hormone receptor 1 (CRHR1), mRNA                                                        | ref | NM_004382.2 | 19923244 uORF | Ref |
| Homo sapiens c-src tyrosine kinase (CSK), mRNA                                                                               | ref | NM_004383.1 | 4758077 N/A   | Ref |
| Homo sapiens death-associated protein (DAP), mRNA                                                                            | ref | NM_004394.1 | 4758119 uORF  | Ref |
| Homo sapiens DNA fragmentation factor, 45kDa, alpha polypeptide (DFFA), mRNA                                                 | ref | NM_004401.1 | 4758147 uORF  | Ref |
| Homo sapiens DNA fragmentation factor, 40kDa, beta polypeptide (caspase-activated DNase) (DFFB), mRNA                        | ref | NM_004402.1 | 4758149 uORF  | Ref |
| Homo sapiens dishevelled, dsh homolog 2 (Drosophila) (DVL2), mRNA                                                            | ref | NM_004422.1 | 4758215 uORF  | Ref |
| Homo sapiens EphA2 (EPHA2), mRNA                                                                                             | ref | NM_004431.1 | 4758277 N/A   | Ref |
| Homo sapiens endosulfine alpha (ENSA), mRNA                                                                                  | ref | NM_004436.1 | 4758271 uORF  | Ref |
| Homo sapiens EphB1 (EPHB1), mRNA                                                                                             | ref | NM_004441.2 | 21396502 N/A  | Ref |
| Homo sapiens EPH receptor B1 (EPHB1), mRNA                                                                                   | ref | NM_004441.3 | 55770893 uORF | Ref |
| Homo sapiens EphB2 (EPHB2), transcript variant 1, mRNA                                                                       | ref | NM_004442.3 | 21396503 N/A  | Ref |
| Homo sapiens EphB3 (EPHB3), mRNA                                                                                             | ref | NM_004443.2 | 17975767 N/A  | Ref |
| Homo sapiens EphB4 (EPHB4), mRNA                                                                                             | ref | NM_004444.2 | 17975769 N/A  | Ref |
| Homo sapiens EphB6 (EPHB6), mRNA                                                                                             | ref | NM_004445.1 | 4758291 N/A   | Ref |
| Homo sapiens enhancer of rudimentary homolog (Drosophila) (ERH), mRNA                                                        | ref | NM_004450.1 | 4758301 uORF  | Ref |
| Homo sapiens estrogen-related receptor alpha (ESRRA), mRNA                                                                   | ref | NM_004451.3 | 18860919 uORF | Ref |
| Homo sapiens phenylalanine-tRNA synthetase-like, alpha subunit (FARSLA), mRNA                                                | ref | NM_004461.1 | 4758339 uORF  | Ref |
| Homo sapiens c-fos induced growth factor (vascular endothelial growth factor D) (FICF), mRNA                                 | ref | NM_004469.2 | 19924297 uORF | Ref |
| Homo sapiens FK506 binding protein 2, 13kDa (FKBP2), transcript variant 1, mRNA                                              | ref | NM_004470.2 | 17149841 uORF | Ref |
| Homo sapiens flotillin 2 (FLOT2), mRNA                                                                                       | ref | NM_004475.1 | 4758393 uORF  | Ref |
| Homo sapiens guanine nucleotide binding protein (G protein), gamma 4 (GNG4), mRNA                                            | ref | NM_004485.2 | 21314630 uORF | Ref |
| Homo sapiens G protein pathway suppressor 2 (GPS2), transcript variant 2, mRNA                                               | ref | NM_004489.3 | 14270479 uORF | Ref |
| Homo sapiens general transcription factor IIA, 2 (12kD subunit) (GTF2A2), mRNA                                               | ref | NM_004492.1 | 4758485 uORF  | Ref |
| Homo sapiens hydroxyacyl-Coenzyme A dehydrogenase, type II (HADH2), mRNA                                                     | ref | NM_004493.1 | 4758503 uORF  | Ref |
| Homo sapiens hepatoma-derived growth factor (high-mobility group protein 1-like) (HDGF), mRNA                                | ref | NM_004494.1 | 4758515 uORF  | Ref |
| Homo sapiens forkhead box A3 (FOXA3), mRNA                                                                                   | ref | NM_004497.1 | 4758535 uORF  | Ref |
| Homo sapiens homeo box B7 (HOXB7), mRNA                                                                                      | ref | NM_004502.2 | 25121962 uORF | Ref |
| Homo sapiens HUS1 checkpoint homolog (S. pombe) (HUS1), mRNA                                                                 | ref | NM_004507.1 | 4758575 uORF  | Ref |
| Homo sapiens isopentenyl-diphosphate delta isomerase (IDI1), mRNA                                                            | ref | NM_004508.1 | 4758583 uORF  | Ref |
| Homo sapiens interleukin 11 receptor, alpha (IL11RA), transcript variant 1, mRNA                                             | ref | NM_004512.3 | 22212920 uORF | Ref |
| Homo sapiens MCM2 minichromosome maintenance deficient 2, tdotin (S. cerevisiae) (MCM2), mRNA                                | ref | NM_004526.2 | 33365646 uORF | Ref |
| Homo sapiens microsomal glutathione S-transferase 3 (MGST3), mRNA                                                            | ref | NM_004528.2 | 22035640 uORF | Ref |
| Homo sapiens NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 3, 9kDa (NDUFA3), mRNA                                      | ref | NM_004542.1 | 4758771 uORF  | Ref |
| Homo sapiens NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa (NDUFA10), mRNA                                   | ref | NM_004544.1 | 4758767 uORF  | Ref |
| Homo sapiens NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1, 7kDa (NDUFB1), mRNA                                       | ref | NM_004545.1 | 4758775 uORF  | Ref |
| Homo sapiens NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2, 8kDa (NDUFB2), mRNA                                       | ref | NM_004546.1 | 4758777 uORF  | Ref |
| Homo sapiens NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa (NDUFB4), mRNA                                      | ref | NM_004547.2 | 6041668 uORF  | Ref |
| Homo sapiens NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10, 22kDa (NDUFB10), mRNA                                    | ref | NM_004548.1 | 4758773 uORF  | Ref |
| Homo sapiens NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14.5kDa (NDUFC2), mRNA                                | ref | NM_004549.2 | 19923255 uORF | Ref |
| Homo sapiens NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase) (NDUFS2), mRNA                | ref | NM_004550.3 | 34147556 uORF | Ref |
| Homo sapiens NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase) (NDUFS5), mRNA                | ref | NM_004552.1 | 4758789 uORF  | Ref |
| Homo sapiens receptor tyrosine kinase-like orphan receptor 2 (ROR2), mRNA                                                    | ref | NM_004560.2 | 19743897 N/A  | Ref |

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| Homo sapiens 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4 (PFKFB4), mRNA                                              | ref | NM_004567.2 | 19923257 | uORF | Ref |
| Homo sapiens PBX/knotted 1 homeobox 1 (PKNOX1), transcript variant 1, mRNA                                                     | ref | NM_004571.3 | 37595549 | uORF | Ref |
| Homo sapiens peanut-like 2 (Drosophila) (PNUTL2), transcript variant 1, mRNA                                                   | ref | NM_004574.2 | 17986250 | uORF | Ref |
| Homo sapiens phosphoserine phosphatase (PSPH), mRNA                                                                            | ref | NM_004577.3 | 46249387 | uORF | Ref |
| Homo sapiens RAB4A, member RAS oncogene family (RAB4A), mRNA                                                                   | ref | NM_004578.2 | 19923259 | uORF | Ref |
| Homo sapiens Rab geranylgeranyltransferase, beta subunit (RABGGTB), mRNA                                                       | ref | NM_004582.2 | 21359853 | uORF | Ref |
| Homo sapiens ribosomal protein S6 kinase, 90kDa, polypeptide 3 (RPS6KA3), mRNA                                                 | ref | NM_004586.1 | 4759049  | N/A  | Ref |
| Homo sapiens sodium channel, voltage-gated, type II beta (SCN2B), mRNA                                                         | ref | NM_004588.3 | 56699490 | uORF | Ref |
| Homo sapiens SCO cytochrome oxidase deficient homolog 1 (yeast) (SCO1), nuclear gene encoding mitochondrial protein, mRNA      | ref | NM_004589.1 | 4759067  | uORF | Ref |
| Homo sapiens splicing factor, arginine/serine-rich 10 (transformer 2 homolog, Drosophila) (SFRS10), mRNA                       | ref | NM_004593.1 | 4759097  | uORF | Ref |
| Homo sapiens small nuclear ribonucleoprotein polypeptide A (SNRPA), mRNA                                                       | ref | NM_004596.1 | 4759155  | uORF | Ref |
| Homo sapiens transmembrane 4 superfamily member 4 (TM4SF4), mRNA                                                               | ref | NM_004617.2 | 21265108 | uORF | Ref |
| Homo sapiens interleukin 1 receptor, type II (IL1R2), transcript variant 1, mRNA                                               | ref | NM_004633.3 | 27894332 | uORF | Ref |
| Homo sapiens mitogen-activated protein kinase-activated protein kinase 3 (MAPKAPK3), mRNA                                      | ref | NM_004635.2 | 14589907 | N/A  | Ref |
| Homo sapiens mitogen-activated protein kinase-activated protein kinase 3 (MAPKAPK3), mRNA                                      | ref | NM_004635.2 | 14589907 | uORF | Ref |
| Homo sapiens coilin (COIL), mRNA                                                                                               | ref | NM_004645.1 | 4758023  | uORF | Ref |
| Homo sapiens chromosome 21 open reading frame 33 (C21orf33), mRNA                                                              | ref | NM_004649.1 | 5031690  | uORF | Ref |
| Homo sapiens BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase) (BAP1), mRNA                                    | ref | NM_004656.2 | 19718752 | uORF | Ref |
| Homo sapiens solute carrier family 16 (monocarboxylic acid transporters), member 5 (SLC16A5), mRNA                             | ref | NM_004695.2 | 20127461 | uORF | Ref |
| Homo sapiens PRP4 pre-mRNA processing factor 4 homolog (yeast) (PRPF4), mRNA                                                   | ref | NM_004697.3 | 34222192 | uORF | Ref |
| Homo sapiens DNA segment on chromosome X (unique) 9928 expressed sequence (DXS9928E), mRNA                                     | ref | NM_004699.1 | 4758219  | uORF | Ref |
| Homo sapiens programmed cell death 5 (PDCD5), mRNA                                                                             | ref | NM_004708.2 | 21735599 | uORF | Ref |
| Homo sapiens synaptogyrin 2 (SYNGR2), mRNA                                                                                     | ref | NM_004710.2 | 22091455 | uORF | Ref |
| Homo sapiens hepatocyte growth factor-regulated tyrosine kinase substrate (HGS), mRNA                                          | ref | NM_004712.3 | 24496766 | uORF | Ref |
| Homo sapiens cytochrome c oxidase subunit VIIa polypeptide 2 like (COX7A2L), nuclear gene encoding mitochondrial protein, mRNA | ref | NM_004718.2 | 18105036 | uORF | Ref |
| Homo sapiens endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 4 (EDG4), mRNA                     | ref | NM_004720.3 | 11038857 | uORF | Ref |
| Homo sapiens adaptor-related protein complex 4, mu 1 subunit (AP4M1), mRNA                                                     | ref | NM_004722.2 | 14917110 | uORF | Ref |
| Homo sapiens potassium voltage-gated channel, shaker-related subfamily, beta member 3 (KCNAB3), mRNA                           | ref | NM_004732.1 | 4758619  | uORF | Ref |
| Homo sapiens VAMP (vesicle-associated membrane protein)-associated protein B and C (VAPB), mRNA                                | ref | NM_004738.1 | 4759301  | uORF | Ref |
| Homo sapiens short-chain dehydrogenase/reductase 1 (SDR1), mRNA                                                                | ref | NM_004753.1 | 4759083  | uORF | Ref |
| Homo sapiens mitogen-activated protein kinase-activated protein kinase 2 (MAPKAPK2), transcript variant 1, mRNA                | ref | NM_004759.2 | 14589905 | N/A  | Ref |
| Homo sapiens pleckstrin homology, Sec7 and coiled-coil domains 1 (Gytohesin 1) (PSCD1), transcript variant 1, mRNA             | ref | NM_004762.1 | 4758963  | uORF | Ref |
| Homo sapiens B-cell CLL/lymphoma 7C (BCL7C), mRNA                                                                              | ref | NM_004765.2 | 20336476 | uORF | Ref |
| Homo sapiens coatomer protein complex, subunit beta 2 (beta prime) (COPB2), mRNA                                               | ref | NM_004766.1 | 4758031  | uORF | Ref |
| Homo sapiens chromosome 5 open reading frame 13 (C5orf13), mRNA                                                                | ref | NM_004772.1 | 4758865  | uORF | Ref |
| Homo sapiens vesicle-associated membrane protein 3 (cellubrevin) (VAMP3), mRNA                                                 | ref | NM_004781.2 | 9257252  | uORF | Ref |
| Homo sapiens synaptosomal-associated protein, 29kDa (SNAP29), mRNA                                                             | ref | NM_004782.2 | 18765736 | uORF | Ref |
| Homo sapiens RAB33A, member RAS oncogene family (RAB33A), mRNA                                                                 | ref | NM_004794.1 | 4758995  | uORF | Ref |
| Homo sapiens stomatin (EPB72)-like 1 (STOML1), mRNA                                                                            | ref | NM_004809.3 | 31543664 | uORF | Ref |
| Homo sapiens leupaxin (LPXN), mRNA                                                                                             | ref | NM_004811.1 | 4758669  | uORF | Ref |
| Homo sapiens peroxisomal biogenesis factor 16 (PEX16), transcript variant 1, mRNA                                              | ref | NM_004813.1 | 4758897  | uORF | Ref |
| Homo sapiens glutathione S-transferase omega 1 (GSTO1), mRNA                                                                   | ref | NM_004832.1 | 4758483  | uORF | Ref |
| Homo sapiens mitogen-activated protein kinase kinase kinase kinase 4 (MAP4K4), transcript variant 1, mRNA                      | ref | NM_004834.2 | 22035601 | N/A  | Ref |
| Homo sapiens homer homolog 3 (Drosophila) (HOMER3), mRNA                                                                       | ref | NM_004838.2 | 21361156 | uORF | Ref |
| Homo sapiens SH3-domain binding protein 5 (BTK-associated) (SH3BP5), mRNA                                                      | ref | NM_004844.1 | 4759057  | uORF | Ref |
| Homo sapiens eukaryotic translation initiation factor 4E-like 3 (EIF4EL3), mRNA                                                | ref | NM_004846.1 | 4757701  | uORF | Ref |
| Homo sapiens syntaxin 8 (STX8), mRNA                                                                                           | ref | NM_004853.1 | 4759187  | uORF | Ref |
| Homo sapiens TBP-like 1 (TBPL1), mRNA                                                                                          | ref | NM_004865.2 | 21071068 | uORF | Ref |
| Homo sapiens secretory carrier membrane protein 1 (SCAMP1), transcript variant 1, mRNA                                         | ref | NM_004866.2 | 16445415 | uORF | Ref |
| Homo sapiens integral membrane protein 2A (ITM2A), mRNA                                                                        | ref | NM_004867.2 | 33589636 | uORF | Ref |
| Homo sapiens vacuolar protein sorting 4B (yeast) (VPS4B), mRNA                                                                 | ref | NM_004869.2 | 17865801 | uORF | Ref |
| Homo sapiens BCL2-associated athanogene 5 (BAO5), mRNA                                                                         | ref | NM_004873.1 | 6631076  | uORF | Ref |
| Homo sapiens quinone oxidoreductase homolog (PIQ3), mRNA                                                                       | ref | NM_004881.1 | 4758911  | uORF | Ref |
| Homo sapiens SEC22 vesicle trafficking protein-like 1 (S. cerevisiae) (SEC22L1), mRNA                                          | ref | NM_004892.2 | 14591922 | uORF | Ref |
| Homo sapiens vacuolar protein sorting 26 (yeast) (VPS26), mRNA                                                                 | ref | NM_004896.2 | 17978518 | uORF | Ref |
| Homo sapiens Wilms tumor 1 associated protein (WTAP), transcript variant 1, mRNA                                               | ref | NM_004906.3 | 23199972 | uORF | Ref |
| Homo sapiens immediate early response 2 (IER2), mRNA                                                                           | ref | NM_004907.2 | 48675810 | uORF | Ref |
| Homo sapiens calbindin 1, 28kDa (CALB1), mRNA                                                                                  | ref | NM_004929.2 | 5579451  | uORF | Ref |
| Homo sapiens cyclin-dependent kinase 5 (CDK5), mRNA                                                                            | ref | NM_004935.1 | 4826674  | N/A  | Ref |
| Homo sapiens cyclin-dependent kinase 5 (CDK5), mRNA                                                                            | ref | NM_004935.1 | 4826674  | uORF | Ref |
| Homo sapiens cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4) (CDKN2B), transcript variant 1, mRNA                    | ref | NM_004936.2 | 17961693 | uORF | Ref |
| Homo sapiens death-associated protein kinase 1 (DAPK1), mRNA                                                                   | ref | NM_004938.1 | 4826683  | N/A  | Ref |
| Homo sapiens ephrin-A3 (EFNA3), mRNA                                                                                           | ref | NM_004952.3 | 33359683 | uORF | Ref |
| Homo sapiens solute carrier family 29 (nucleoside transporters), member 1 (SLC29A1), mRNA                                      | ref | NM_004955.1 | 4826715  | uORF | Ref |
| Homo sapiens histone deacetylase 1 (HDAC1), mRNA                                                                               | ref | NM_004964.2 | 1312859  | uORF | Ref |
| Homo sapiens high-mobility group nucleosome binding domain 1 (HMGN1), mRNA                                                     | ref | NM_004965.3 | 21426830 | uORF | Ref |
| Homo sapiens heterogeneous nuclear ribonucleoprotein F (hnRNP), mRNA                                                           | ref | NM_004966.2 | 14141150 | uORF | Ref |
| Homo sapiens methionine-tRNA synthetase (MARS), mRNA                                                                           | ref | NM_004990.2 | 14043021 | uORF | Ref |
| Homo sapiens myosin binding protein H (MYBPH), mRNA                                                                            | ref | NM_004997.2 | 55956913 | uORF | Ref |
| Homo sapiens NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39kDa (NDUFA9), mRNA                                       | ref | NM_005002.3 | 39725687 | uORF | Ref |
| Homo sapiens nuclear respiratory factor 1 (NRF1), mRNA                                                                         | ref | NM_005011.2 | 28882054 | uORF | Ref |
| Homo sapiens receptor tyrosine kinase-like orphan receptor 1 (ROR1), mRNA                                                      | ref | NM_005012.1 | 4826867  | N/A  | Ref |
| Homo sapiens phosphatidylinositol-4-phosphate 5-kinase, type II, alpha (PIP5K2A), mRNA                                         | ref | NM_005028.3 | 20302162 | uORF | Ref |
| Homo sapiens polo-like kinase (Drosophila) (PLK), mRNA                                                                         | ref | NM_005030.2 | 21359872 | N/A  | Ref |
| Homo sapiens plastin 3 (T isoform) (PLS3), mRNA                                                                                | ref | NM_005032.2 | 7548808  | uORF | Ref |
| Homo sapiens polymerase (RNA) II (DNA directed) polypeptide K, 7.9kDa (POLR2K), mRNA                                           | ref | NM_005034.2 | 14589955 | uORF | Ref |
| Homo sapiens peroxisome proliferative activated receptor, gamma (PPARG), transcript variant 4, mRNA                            | ref | NM_005037.3 | 20336230 | uORF | Ref |
| Homo sapiens peptidylprolyl isomerase D (cyclophilin D) (PPID), mRNA                                                           | ref | NM_005038.1 | 4826931  | uORF | Ref |
| Homo sapiens polycarboxypeptidase (angiotensinase C) (PROPC), mRNA                                                             | ref | NM_005040.1 | 4826939  | uORF | Ref |
| Homo sapiens RAD23 homolog A (S. cerevisiae) (RAD23A), mRNA                                                                    | ref | NM_005053.2 | 19924137 | uORF | Ref |
| Homo sapiens phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma) (PLA2G7), mRNA                   | ref | NM_005084.2 | 31543409 | uORF | Ref |
| Homo sapiens sarcospan (Kras oncogene-associated gene) (SSPN), mRNA                                                            | ref | NM_005086.3 | 16933560 | uORF | Ref |
| Homo sapiens tumor necrosis factor (ligand) superfamily, member 18 (TNFSF18), mRNA                                             | ref | NM_005092.2 | 40354198 | uORF | Ref |
| Homo sapiens fasciculation and elongation protein zeta 1 (zygin D) (FEZ1), transcript variant 1, mRNA                          | ref | NM_005103.3 | 17105402 | uORF | Ref |
| Homo sapiens crystallin, zeta (quinone reductase)-like 1 (CRYZL1), mRNA                                                        | ref | NM_005111.4 | 22203107 | uORF | Ref |
| Homo sapiens WD repeat domain 1 (WDR1), transcript variant 2, mRNA                                                             | ref | NM_005112.4 | 53729351 | uORF | Ref |
| Homo sapiens heparin-binding growth factor binding protein (HBP17), mRNA                                                       | ref | NM_005130.1 | 4826753  | uORF | Ref |
| Homo sapiens guanine nucleotide binding protein (G protein), gamma 7 (GNG7), mRNA                                              | ref | NM_005145.1 | 4826745  | uORF | Ref |
| Homo sapiens DnaJ (Hsp40) homolog, subfamily A, member 3 (DNAJA3), mRNA                                                        | ref | NM_005147.1 | 4827025  | uORF | Ref |
| Homo sapiens unc-119 homolog (C. elegans) (UNC119), transcript variant 1, mRNA                                                 | ref | NM_005148.2 | 16936537 | uORF | Ref |
| Homo sapiens ubiquitin specific protease 14 (tRNA-guanine transglycosylase) (USP14), mRNA                                      | ref | NM_005151.2 | 20070184 | uORF | Ref |
| Homo sapiens v-abl Abelson murine leukemia viral oncogene homolog 1 (ABL1), transcript variant a, mRNA                         | ref | NM_005157.2 | 6382056  | N/A  | Ref |
| Homo sapiens actin, alpha, cardiac muscle (ACTC), mRNA                                                                         | ref | NM_005159.3 | 46411161 | uORF | Ref |
| Homo sapiens aldolase C, fructose-bisphosphate (ALDOC), mRNA                                                                   | ref | NM_005165.1 | 4885062  | uORF | Ref |
| Homo sapiens activating transcription factor 1 (ATF1), mRNA                                                                    | ref | NM_005171.2 | 38261963 | uORF | Ref |
| Homo sapiens B lymphoma Mo-MLV insertion region (mouse) (BMI1), mRNA                                                           | ref | NM_005180.1 | 4885094  | uORF | Ref |
| Homo sapiens carbonic anhydrase III, muscle specific (CA3), mRNA                                                               | ref | NM_005181.2 | 6996001  | uORF | Ref |
| Homo sapiens carbonic anhydrase VII (CA7), mRNA                                                                                | ref | NM_005182.1 | 4885100  | uORF | Ref |
| Homo sapiens calmodulin-like 3 (CALML3), mRNA                                                                                  | ref | NM_005185.1 | 4885110  | uORF | Ref |
| Homo sapiens chemokine (C-C motif) receptor 8 (CCR8), mRNA                                                                     | ref | NM_005201.2 | 13929430 | uORF | Ref |
| Homo sapiens mitogen-activated protein kinase kinase kinase 8 (MAP3K8), mRNA                                                   | ref | NM_005204.2 | 22035597 | N/A  | Ref |
| Homo sapiens cytochrome c oxidase subunit VIa polypeptide 2 (COX6A2), nuclear gene encoding mitochondrial protein, mRNA        | ref | NM_005205.2 | 17995929 | uORF | Ref |
| Homo sapiens v-crk sarcoma virus CT10 oncogene homolog (avian) (CRK), transcript variant 1, mRNA                               | ref | NM_005206.2 | 8400707  | uORF | Ref |
| Homo sapiens v-crk sarcoma virus CT10 oncogene homolog (avian)-like (CRKL), mRNA                                               | ref | NM_005207.1 | 4885152  | uORF | Ref |
| Homo sapiens defensin, beta 1 (DEFB1), mRNA                                                                                    | ref | NM_005218.2 | 13124884 | uORF | Ref |
| Homo sapiens distal-less homeo box 3 (DLX3), mRNA                                                                              | ref | NM_005220.1 | 4885184  | uORF | Ref |
| Homo sapiens endothelial differentiation, sphingolipid G-protein-coupled receptor, 3 (EDG3), mRNA                              | ref | NM_005226.2 | 38788192 | uORF | Ref |
| Homo sapiens epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian) (EGFR), mRNA   | ref | NM_005228.1 | 4885198  | N/A  | Ref |
| Homo sapiens EphA3 (EPHA3), mRNA                                                                                               | ref | NM_005233.2 | 21361240 | uORF | Ref |
| Homo sapiens v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian) (ERBB4), mRNA                                    | ref | NM_005235.1 | 4885214  | N/A  | Ref |
| Homo sapiens ets variant gene 3 (ETV3), mRNA                                                                                   | ref | NM_005240.1 | 20270187 | uORF | Ref |
| Homo sapiens fer (fps/fee related) tyrosine kinase (phosphoprotein NCP94) (FER), mRNA                                          | ref | NM_005246.1 | 4885230  | N/A  | Ref |
| Homo sapiens Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog (FGR), mRNA                                         | ref | NM_005248.1 | 4885234  | uORF | Ref |
| Homo sapiens v-fos FBJ murine osteosarcoma viral oncogene homolog (FOS), mRNA                                                  | ref | NM_005252.2 | 6552332  | uORF | Ref |
| Homo sapiens FOS-like antigen 2 (FOSL2), mRNA                                                                                  | ref | NM_005253.1 | 4885244  | uORF | Ref |
| Homo sapiens GA binding protein transcription factor, beta subunit 2, 47kDa (GABPB2), transcript variant beta-1, mRNA          | ref | NM_005254.3 | 32483405 | uORF | Ref |
| Homo sapiens GTP cyclohydrolase I feedback regulatory protein (GCHFR), mRNA                                                    | ref | NM_005258.2 | 6382072  | uORF | Ref |
| Homo sapiens gap junction protein, beta 5 (connexin 31.1) (GJB5), mRNA                                                         | ref | NM_005268.1 | 10835078 | uORF | Ref |
| Homo sapiens guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 2 (GNAT2), mRNA            | ref | NM_005272.2 | 22027523 | uORF | Ref |
| Homo sapiens guanine nucleotide binding protein (G protein), gamma 5 (GNG5), mRNA                                              | ref | NM_005274.1 | 4885286  | uORF | Ref |
| Homo sapiens glycerol-3-phosphate dehydrogenase 1 (soluble) (GPD1), mRNA                                                       | ref | NM_005276.1 | 4885290  | uORF | Ref |
| Homo sapiens chemokine (C motif) receptor 1 (XCR1), mRNA                                                                       | ref | NM_005283.1 | 4885338  | uORF | Ref |
| Homo sapiens G protein-coupled receptor 15 (GPR15), mRNA                                                                       | ref | NM_005290.1 | 4885298  | uORF | Ref |
| Homo sapiens G protein-coupled receptor 21 (GPR21), mRNA                                                                       | ref | NM_005294.1 | 4885306  | uORF | Ref |
| Homo sapiens G protein-coupled receptor 31 (GPR31), mRNA                                                                       | ref | NM_005299.1 | 4885316  | uORF | Ref |

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| Homo sapiens glutamic-pyruvate transaminase (alanine aminotransferase) (GPT), mRNA                                                                      | ref | NM_005309.1 | 4885350 uORF  | Ref |
| Homo sapiens glucose regulated protein, 58kDa (GRP58), mRNA                                                                                             | ref | NM_005313.3 | 21361656 uORF | Ref |
| Homo sapiens hydroxyacyl glutathione hydrolase (HAQH), mRNA                                                                                             | ref | NM_005326.2 | 15451890 uORF | Ref |
| Homo sapiens hemoglobin, zeta (HBZ), mRNA                                                                                                               | ref | NM_005332.2 | 6633805 uORF  | Ref |
| Homo sapiens holocytochrome c synthase (cytochrome c heme-lyase) (HCOS), mRNA                                                                           | ref | NM_005333.1 | 4885400 uORF  | Ref |
| Homo sapiens huntingtin interacting protein 2 (HIP2), mRNA                                                                                              | ref | NM_005339.3 | 21536483 uORF | Ref |
| Homo sapiens histidine triad nucleotide binding protein 1 (HINT1), mRNA                                                                                 | ref | NM_005340.1 | 4885412 uORF  | Ref |
| Homo sapiens heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa) (HSPA5), mRNA                                                                | ref | NM_005347.2 | 21361242 uORF | Ref |
| Homo sapiens myoglobin (MB), mRNA                                                                                                                       | ref | NM_005368.1 | 4885476 uORF  | Ref |
| Homo sapiens methyltransferase-like 1 (METTL1), transcript variant 1, mRNA                                                                              | ref | NM_005371.2 | 13186321 uORF | Ref |
| Homo sapiens v-myb myeloblastosis viral oncogene homolog (avian) (MYB), mRNA                                                                            | ref | NM_005375.2 | 46361979 uORF | Ref |
| Homo sapiens pyruvate dehydrogenase (lipoamide) alpha 2 (PDHA2), mRNA                                                                                   | ref | NM_005390.1 | 4885542 uORF  | Ref |
| Homo sapiens pyruvate dehydrogenase kinase, isoenzyme 3 (PDK3), mRNA                                                                                    | ref | NM_005391.1 | 4885544 uORF  | Ref |
| Homo sapiens protein kinase C, epsilon (PRKCE), mRNA                                                                                                    | ref | NM_005400.1 | 4885562 N/A   | Ref |
| Homo sapiens v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian) (SRC), mRNA                                                              | ref | NM_005417.2 | 21361210 N/A  | Ref |
| Homo sapiens trefol factor 2 (spasmolytic protein 1) (TFF2), mRNA                                                                                       | ref | NM_005423.1 | 4885628 uORF  | Ref |
| Homo sapiens X-ray repair complementing defective repair in Chinese hamster cells 3 (XRCC3), mRNA                                                       | ref | NM_005432.2 | 12408644 uORF | Ref |
| Homo sapiens v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1 (YES1), mRNA                                                                            | ref | NM_005433.2 | 21071041 uORF | Ref |
| Homo sapiens Rho guanine nucleotide exchange factor (GEF) 5 (ARHGEF5), mRNA                                                                             | ref | NM_005435.2 | 15011975 uORF | Ref |
| Homo sapiens nuclear receptor coactivator 4 (NCOA4), mRNA                                                                                               | ref | NM_005437.1 | 14149616 uORF | Ref |
| Homo sapiens chromatin assembly factor 1, subunit B (p60) (CHAF1B), mRNA                                                                                | ref | NM_005441.2 | 45827788 uORF | Ref |
| Homo sapiens v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma) (AKT3), mRNA                                                       | ref | NM_005465.2 | 19923313 N/A  | Ref |
| Homo sapiens SUMO-1 activating enzyme subunit 1 (SAE1), mRNA                                                                                            | ref | NM_005500.1 | 4885584 uORF  | Ref |
| Homo sapiens scavenger receptor class B, member 2 (SCARB2), mRNA                                                                                        | ref | NM_005506.1 | 5031630 uORF  | Ref |
| Homo sapiens dom-3 homolog 2 (C. elegans) (DOM3Z), transcript variant 2, mRNA                                                                           | ref | NM_005510.2 | 20631979 uORF | Ref |
| Homo sapiens high-mobility group nucleosomal binding domain 2 (HMGN2), mRNA                                                                             | ref | NM_005517.2 | 50233912 uORF | Ref |
| Homo sapiens 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial) (HMGCS2), mRNA                                                            | ref | NM_005518.1 | 5031750 uORF  | Ref |
| Homo sapiens homeo box A1 (HOXA1), transcript variant 1, mRNA                                                                                           | ref | NM_005522.3 | 24497507 uORF | Ref |
| Homo sapiens hydroxysteroid (11-beta) dehydrogenase 1 (HSD11B1), transcript variant 1, mRNA                                                             | ref | NM_005525.2 | 32455237 uORF | Ref |
| Homo sapiens isocitrate dehydrogenase 3 (NAD+) alpha (IDH3A), mRNA                                                                                      | ref | NM_005530.1 | 5031776 uORF  | Ref |
| Homo sapiens kinesin family member C3 (KIFC3), mRNA                                                                                                     | ref | NM_005550.2 | 19923320 uORF | Ref |
| Homo sapiens ladinin 1 (LAD1), mRNA                                                                                                                     | ref | NM_005558.2 | 20070204 uORF | Ref |
| Homo sapiens lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa) (LCP2), mRNA                                             | ref | NM_005565.2 | 7382491 uORF  | Ref |
| Homo sapiens lactate dehydrogenase A (LDHA), mRNA                                                                                                       | ref | NM_005566.1 | 5031856 uORF  | Ref |
| Homo sapiens lectin, galactoside-binding, soluble, 3 binding protein (LGALS3BP), mRNA                                                                   | ref | NM_005567.2 | 6006016 uORF  | Ref |
| Homo sapiens lamin A/C (LMNA), mRNA                                                                                                                     | ref | NM_005572.1 | 5031874 uORF  | Ref |
| Homo sapiens LIM domain only 2 (rhombotin-like 1) (LMO2), mRNA                                                                                          | ref | NM_005574.2 | 6633806 uORF  | Ref |
| Homo sapiens MyoD family inhibitor (MDFI), mRNA                                                                                                         | ref | NM_005586.2 | 13027633 uORF | Ref |
| Homo sapiens protein phosphatase 3 (formerly 2B), catalytic subunit, gamma isoform (calcineurin A gamma) (PPP3CC), mRNA                                 | ref | NM_005605.2 | 21361289 uORF | Ref |
| Homo sapiens retinoblastoma binding protein 4 (RBBP4), mRNA                                                                                             | ref | NM_005610.1 | 5032026 uORF  | Ref |
| Homo sapiens S100 calcium binding protein A11 (calgizarin) (S100A11), mRNA                                                                              | ref | NM_005620.1 | 5032056 uORF  | Ref |
| Homo sapiens S100 calcium binding protein A12 (calgranulin C) (S100A12), mRNA                                                                           | ref | NM_005621.1 | 5032058 uORF  | Ref |
| Homo sapiens serum/glucocorticoid regulated kinase (SGK), mRNA                                                                                          | ref | NM_005627.1 | 5032090 uORF  | Ref |
| Homo sapiens TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 80kDa (TAF9), transcript variant 1, mRNA                         | ref | NM_005641.2 | 21536360 uORF | Ref |
| Homo sapiens TAF11 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 28kDa (TAF11), mRNA                                             | ref | NM_005643.2 | 21298663 uORF | Ref |
| Homo sapiens tryptophan 2,3-dioxygenase (TDO2), mRNA                                                                                                    | ref | NM_005651.1 | 5032164 uORF  | Ref |
| Homo sapiens ubiquitin fusion degradation 1-like (UFDL1), mRNA                                                                                          | ref | NM_005659.1 | 5032208 uORF  | Ref |
| Homo sapiens H factor (complement)-like 3 (HFL3), mRNA                                                                                                  | ref | NM_005666.1 | 5031694 uORF  | Ref |
| Homo sapiens DiGeorge syndrome critical region gene 6 (DGCR6), mRNA                                                                                     | ref | NM_005675.2 | 15208653 uORF | Ref |
| Homo sapiens COX17 homolog, cytochrome c oxidase assembly protein (yeast) (COX17), nuclear gene encoding mitochondrial protein, mRNA                    | ref | NM_005694.1 | 5031644 uORF  | Ref |
| Homo sapiens secretory carrier membrane protein 2 (SCAMP2), mRNA                                                                                        | ref | NM_005697.3 | 16445417 uORF | Ref |
| Homo sapiens secretory carrier membrane protein 3 (SCAMP3), transcript variant 1, mRNA                                                                  | ref | NM_005698.2 | 16445418 uORF | Ref |
| Homo sapiens polyglutamine binding protein 1 (PQBP1), mRNA                                                                                              | ref | NM_005710.1 | 5031956 uORF  | Ref |
| Homo sapiens actin related protein 2/3 complex, subunit 1B (41 kD) (ARPC1B), mRNA                                                                       | ref | NM_005720.1 | 5031600 uORF  | Ref |
| Homo sapiens transmembrane 4 superfamily member 9 (TM4SF9), mRNA                                                                                        | ref | NM_005723.2 | 21264582 uORF | Ref |
| Homo sapiens tetraspan 2 (TSPAN-2), mRNA                                                                                                                | ref | NM_005725.2 | 21264578 uORF | Ref |
| Homo sapiens Ts translation elongation factor, mitochondrial (TSFM), mRNA                                                                               | ref | NM_005726.2 | 21361279 uORF | Ref |
| Homo sapiens tetraspan 1 (TSPAN-1), mRNA                                                                                                                | ref | NM_005727.2 | 21264577 uORF | Ref |
| Homo sapiens ARP1 actin-related protein 1 homolog A, centractin alpha (yeast) (ACTR1A), mRNA                                                            | ref | NM_005736.2 | 13325058 uORF | Ref |
| Homo sapiens ADP-ribosylation factor-like 4 (ARL4), mRNA                                                                                                | ref | NM_005738.1 | 5031602 uORF  | Ref |
| Homo sapiens transducer of ERBB2, 1 (TOB1), mRNA                                                                                                        | ref | NM_005749.2 | 22035666 uORF | Ref |
| Homo sapiens small EDRK-rich factor 2 (SERF2), mRNA                                                                                                     | ref | NM_005770.3 | 42475556 uORF | Ref |
| Homo sapiens ring finger protein 41 (RNF41), transcript variant 1, mRNA                                                                                 | ref | NM_005785.2 | 37588857 uORF | Ref |
| Homo sapiens M-phase phosphoprotein 6 (MPHOSPH6), mRNA                                                                                                  | ref | NM_005792.1 | 5031918 uORF  | Ref |
| Homo sapiens epithelial V-like antigen 1 (EVA1), transcript variant 1, mRNA                                                                             | ref | NM_005797.2 | 21536270 uORF | Ref |
| Homo sapiens putative translation initiation factor (SUI1), mRNA                                                                                        | ref | NM_005801.2 | 20070210 uORF | Ref |
| Homo sapiens flotillin 1 (FLOT1), mRNA                                                                                                                  | ref | NM_005803.2 | 6552331 uORF  | Ref |
| Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 39 (DXD39), transcript variant 1, mRNA                                                              | ref | NM_005804.2 | 21040370 uORF | Ref |
| Homo sapiens protein kinase C, nu (PRKCN), mRNA                                                                                                         | ref | NM_005813.2 | 6563384 N/A   | Ref |
| Homo sapiens WD-repeat protein (HANI1), mRNA                                                                                                            | ref | NM_005828.1 | 5031728 uORF  | Ref |
| Homo sapiens potassium large conductance calcium-activated channel, subfamily M, beta member 2 (KCNMB2), mRNA                                           | ref | NM_005832.2 | 19923319 uORF | Ref |
| Homo sapiens sprouty homolog 2 (Drosophila) (SPRY2), mRNA                                                                                               | ref | NM_005842.2 | 22209007 uORF | Ref |
| Homo sapiens tumor suppressor deleted in oral cancer-related 1 (DOC-1R), mRNA                                                                           | ref | NM_005851.2 | 20070203 uORF | Ref |
| Homo sapiens receptor (calcitonin) activity modifying protein 1 (RAMP1), mRNA                                                                           | ref | NM_005855.1 | 5032018 uORF  | Ref |
| Homo sapiens breast carcinoma amplified sequence 2 (BCAS2), mRNA                                                                                        | ref | NM_005872.1 | 5031652 uORF  | Ref |
| Homo sapiens p21(CDKN1A)-activated kinase 4 (PAK4), mRNA                                                                                                | ref | NM_005884.2 | 7382497 uORF  | Ref |
| Homo sapiens p21(CDKN1A)-activated kinase 4 (PAK4), mRNA                                                                                                | ref | NM_005884.2 | 7382497 N/A   | Ref |
| Homo sapiens calcin (GCIN), mRNA                                                                                                                        | ref | NM_005893.1 | 17738311 uORF | Ref |
| Homo sapiens MAD, mothers against decapentaplegic homolog 1 (Drosophila) (MADH1), mRNA                                                                  | ref | NM_005900.1 | 5174508 uORF  | Ref |
| Homo sapiens MAD, mothers against decapentaplegic homolog 3 (Drosophila) (MADH3), mRNA                                                                  | ref | NM_005902.1 | 5174512 uORF  | Ref |
| Homo sapiens male germ cell-associated kinase (MAK), mRNA                                                                                               | ref | NM_005906.2 | 13699865 N/A  | Ref |
| Homo sapiens MCM6 minichromosome maintenance deficient 6 (MIS5 homolog, S. pombe) (S. cerevisiae) (MCM6), mRNA                                          | ref | NM_005915.4 | 33469920 uORF | Ref |
| Homo sapiens MCM7 minichromosome maintenance deficient 7 (S. cerevisiae) (MCM7), mRNA                                                                   | ref | NM_005916.2 | 21358885 uORF | Ref |
| Homo sapiens mitogen-activated protein kinase kinase kinase 4 (MAP3K4), transcript variant 1, mRNA                                                      | ref | NM_005922.1 | 5803087 N/A   | Ref |
| Homo sapiens mitogen-activated protein kinase kinase kinase 5 (MAP3K5), mRNA                                                                            | ref | NM_005923.3 | 21536459 uORF | Ref |
| Homo sapiens mesenchyme homeo box 2 (growth arrest-specific homeo box) (MEOX2), mRNA                                                                    | ref | NM_005924.2 | 21396478 uORF | Ref |
| Homo sapiens microfilillar-associated protein 1 (MFAP1), mRNA                                                                                           | ref | NM_005926.2 | 50726967 uORF | Ref |
| Homo sapiens myosin, light polypeptide kinase (MYLK), transcript variant 6, mRNA                                                                        | ref | NM_005965.2 | 16950600 N/A  | Ref |
| Homo sapiens S100 calcium binding protein A13 (S100A13), mRNA                                                                                           | ref | NM_005979.1 | 5174658 uORF  | Ref |
| Homo sapiens sarcoma amplified sequence (SAS), mRNA                                                                                                     | ref | NM_005981.2 | 21264346 uORF | Ref |
| Homo sapiens serine/threonine kinase 10 (STK10), mRNA                                                                                                   | ref | NM_005990.1 | 5174700 N/A   | Ref |
| Homo sapiens ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase) (UCHL3), mRNA                                                            | ref | NM_006002.2 | 20149578 uORF | Ref |
| Homo sapiens zinc finger protein 216 (ZNF216), mRNA                                                                                                     | ref | NM_006007.1 | 5174754 uORF  | Ref |
| Homo sapiens ClpP caseinolytic protease, ATP-dependent, proteolytic subunit homolog (E. coli) (OLPP), nuclear gene encoding mitochondrial protein, mRNA | ref | NM_006012.2 | 53759125 uORF | Ref |
| Homo sapiens transforming growth factor beta-stimulated protein TSC-22 (TSC22), mRNA                                                                    | ref | NM_006022.1 | 5174728 uORF  | Ref |
| Homo sapiens CDC42 binding protein kinase beta (DMPK-like) (CDC42BPB), mRNA                                                                             | ref | NM_006035.2 | 16357473 N/A  | Ref |
| Homo sapiens reticulon 3 (RTN3), mRNA                                                                                                                   | ref | NM_006054.1 | 5174654 uORF  | Ref |
| Homo sapiens neighbor of COX4 (NOC4), mRNA                                                                                                              | ref | NM_006067.3 | 34147520 uORF | Ref |
| Homo sapiens alpha2,3-sialyltransferase (ST3GALVI), mRNA                                                                                                | ref | NM_006100.1 | 5174696 uORF  | Ref |
| Homo sapiens CD2 antigen (cytoplasmic tail) binding protein 2 (CD2BP2), mRNA                                                                            | ref | NM_006110.1 | 5174408 uORF  | Ref |
| Homo sapiens peptidylprolyl isomerase E (cyclophilin E) (PPIE), mRNA                                                                                    | ref | NM_006112.1 | 5174636 uORF  | Ref |
| Homo sapiens mitogen-activated protein kinase kinase kinase 7 interacting protein 1 (MAP3K7IP1), transcript variant alpha, mRNA                         | ref | NM_006116.2 | 47717114 uORF | Ref |
| Homo sapiens peroxisomal D3,D2-enoyl-CoA isomerase (PECD), mRNA                                                                                         | ref | NM_006117.1 | 5174624 uORF  | Ref |
| Homo sapiens H51 binding protein (HAX1), mRNA                                                                                                           | ref | NM_006118.2 | 13435355 uORF | Ref |
| Homo sapiens major histocompatibility complex, class II, DM alpha (HLA-DMA), mRNA                                                                       | ref | NM_006120.2 | 18765714 uORF | Ref |
| Homo sapiens CD7 antigen (p41) (CD7), mRNA                                                                                                              | ref | NM_006137.4 | 14589878 uORF | Ref |
| Homo sapiens stratfin (SFN), mRNA                                                                                                                       | ref | NM_006142.1 | 5454051 uORF  | Ref |
| Homo sapiens DnaJ (Hsp40) homolog, subfamily B, member 1 (DNAJB1), mRNA                                                                                 | ref | NM_006145.1 | 5453689 uORF  | Ref |
| Homo sapiens interferon regulatory factor 6 (IRF6), mRNA                                                                                                | ref | NM_006147.1 | 5453689 uORF  | Ref |
| Homo sapiens nuclear factor (erythroid-derived 2)-like 2 (NFE2L2), mRNA                                                                                 | ref | NM_006164.2 | 20149575 uORF | Ref |
| Homo sapiens nuclear transcription factor Y, beta (NFYB), mRNA                                                                                          | ref | NM_006166.2 | 11496976 uORF | Ref |
| Homo sapiens nicotinamide N-methyltransferase (NNMT), mRNA                                                                                              | ref | NM_006169.1 | 5453789 uORF  | Ref |
| Homo sapiens paired box gene 9 (PAX9), mRNA                                                                                                             | ref | NM_006194.1 | 7242166 uORF  | Ref |
| Homo sapiens proprotein convertase subtilisin/kexin type 5 (PCSK5), mRNA                                                                                | ref | NM_006200.2 | 20336245 uORF | Ref |
| Homo sapiens phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila) (PDE4A), mRNA                                         | ref | NM_006202.1 | 5453861 uORF  | Ref |
| Homo sapiens phosphodiesterase 6H, cGMP-specific, cone, gamma (PDE6H), mRNA                                                                             | ref | NM_006205.1 | 5453867 uORF  | Ref |
| Homo sapiens 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2 (PFKFB2), mRNA                                                                      | ref | NM_006212.1 | 5453877 uORF  | Ref |
| Homo sapiens phosphorylase kinase, gamma 1 (muscle) (PHKG1), mRNA                                                                                       | ref | NM_006213.1 | 5453881 N/A   | Ref |
| Homo sapiens phytanoyl-CoA hydroxylase (Refsum disease) (PHYH), mRNA                                                                                    | ref | NM_006214.2 | 17999532 uORF | Ref |
| Homo sapiens serine (or cysteine) proteinase inhibitor, clade I (neuroserpin), member 2 (SERPINI2), mRNA                                                | ref | NM_006217.2 | 10947029 uORF | Ref |
| Homo sapiens protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting 4 (parvulin) (PIN4), mRNA                                                   | ref | NM_006223.1 | 5453901 uORF  | Ref |
| Homo sapiens phospholipase C, delta 1 (PLCD1), mRNA                                                                                                     | ref | NM_006225.1 | 5453909 uORF  | Ref |
| Homo sapiens prepronociceptin (PNOC), mRNA                                                                                                              | ref | NM_006228.2 | 11079650 uORF | Ref |
| Homo sapiens polymerase (RNA) II (DNA directed) polypeptide H (POLR2H), mRNA                                                                            | ref | NM_006232.2 | 14589952 uORF | Ref |
| Homo sapiens polymerase (RNA) II (DNA directed) polypeptide I, 14.5kDa (POLR2I), mRNA                                                                   | ref | NM_006233.3 | 14589954 uORF | Ref |

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| Homo sapiens protein phosphatase 1, regulatory (inhibitor) subunit 2 (PPPIR2), mRNA                                                              | ref | NM_006241.2 | 19923357 uORF | Ref |
| Homo sapiens protein phosphatase 5, catalytic subunit (PPPSO), mRNA                                                                              | ref | NM_006247.2 | 20127496 uORF | Ref |
| Homo sapiens protein kinase, AMP-activated, alpha 1 catalytic subunit (PRKAA1), transcript variant 1, mRNA                                       | ref | NM_006251.4 | 47458812 uORF | Ref |
| Homo sapiens protein kinase, AMP-activated, alpha 2 catalytic subunit (PRKAA2), mRNA                                                             | ref | NM_006252.2 | 46877067 uORF | Ref |
| Homo sapiens protein kinase, AMP-activated, beta 1 non-catalytic subunit (PRKAB1), mRNA                                                          | ref | NM_006253.2 | 19923358 uORF | Ref |
| Homo sapiens protein kinase C, delta (PRKCD), mRNA                                                                                               | ref | NM_006254.1 | 5453969 N/A   | Ref |
| Homo sapiens protein kinase C-like 2 (PRKCL2), mRNA                                                                                              | ref | NM_006256.1 | 5453973 N/A   | Ref |
| Homo sapiens protein kinase, cGMP-dependent, type 1 (PRKG1), mRNA                                                                                | ref | NM_006258.1 | 10835241 N/A  | Ref |
| Homo sapiens proteasome (prosome, macropain) activator subunit 1 (PA28 alpha) (PSME1), mRNA                                                      | ref | NM_006263.1 | 5453989 uORF  | Ref |
| Homo sapiens related RAS viral (r-ras) oncogene homolog (RRAS), mRNA                                                                             | ref | NM_006270.2 | 20127497 uORF | Ref |
| Homo sapiens S100 calcium binding protein, beta (neural) (S100B), mRNA                                                                           | ref | NM_006272.1 | 5454033 uORF  | Ref |
| Homo sapiens signal sequence receptor, delta (translocome-associated protein delta) (SSRA), mRNA                                                 | ref | NM_006280.1 | 5454089 uORF  | Ref |
| Homo sapiens serine/threonine kinase 3 (STE20 homolog, yeast) (STK3), mRNA                                                                       | ref | NM_006281.1 | 5454093 N/A   | Ref |
| Homo sapiens serine/threonine kinase 4 (STK4), mRNA                                                                                              | ref | NM_006282.1 | 5454095 N/A   | Ref |
| Homo sapiens zinc finger protein 192 (ZNF192), mRNA                                                                                              | ref | NM_006298.2 | 56699472 uORF | Ref |
| Homo sapiens zinc finger protein 193 (ZNF193), mRNA                                                                                              | ref | NM_006299.2 | 21359880 uORF | Ref |
| Homo sapiens JTV1 gene (JTV1), mRNA                                                                                                              | ref | NM_006303.2 | 11125769 uORF | Ref |
| Homo sapiens sushi-repeat-containing protein, X-linked (SRPX), mRNA                                                                              | ref | NM_006307.2 | 21314639 uORF | Ref |
| Homo sapiens progesterone receptor membrane component 2 (PGRMC2), mRNA                                                                           | ref | NM_006320.1 | 5453915 uORF  | Ref |
| Homo sapiens ariadne homolog 2 (Drosophila) (ARIH2), mRNA                                                                                        | ref | NM_006321.1 | 5453556 uORF  | Ref |
| Homo sapiens craniofacial development protein 1 (CFDP1), mRNA                                                                                    | ref | NM_006324.1 | 5453566 uORF  | Ref |
| Homo sapiens RAN, member RAS oncogene family (RAN), mRNA                                                                                         | ref | NM_006325.2 | 6042206 uORF  | Ref |
| Homo sapiens translocase of inner mitochondrial membrane 23 homolog (yeast) (TIMM23), mRNA                                                       | ref | NM_006327.2 | 45433538 uORF | Ref |
| Homo sapiens fibulin 5 (FBLN5), mRNA                                                                                                             | ref | NM_006329.2 | 19743802 uORF | Ref |
| Homo sapiens interferon, gamma-inducible protein 30 (IFI30), mRNA                                                                                | ref | NM_006332.1 | 5453695 uORF  | Ref |
| Homo sapiens nuclear DNA-binding protein (C1D), mRNA                                                                                             | ref | NM_006333.1 | 5453582 uORF  | Ref |
| Homo sapiens microspherule protein 1 (MCRS1), transcript variant 1, mRNA                                                                         | ref | NM_006337.3 | 34222264 uORF | Ref |
| Homo sapiens c-met proto-oncogene tyrosine kinase (MERTK), mRNA                                                                                  | ref | NM_006343.1 | 5453737 N/A   | Ref |
| Homo sapiens translocase of inner mitochondrial membrane 44 homolog (yeast) (TIMM44), mRNA                                                       | ref | NM_006351.1 | 5454123 uORF  | Ref |
| Homo sapiens ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d (ATP5H), mRNA                                                    | ref | NM_006356.1 | 5453558 uORF  | Ref |
| Homo sapiens ubiquitin-conjugating enzyme E2E 3 (UBC4/5 homolog, yeast) (UBE2E3), mRNA                                                           | ref | NM_006357.1 | 5454145 uORF  | Ref |
| Homo sapiens dendritic cell protein (GA17), mRNA                                                                                                 | ref | NM_006360.1 | 5453653 uORF  | Ref |
| Homo sapiens CAP, adenylate cyclase-associated protein, 2 (yeast) (CAP2), mRNA                                                                   | ref | NM_006366.1 | 5453592 uORF  | Ref |
| Homo sapiens serine/threonine kinase 25 (STE20 homolog, yeast) (STK25), mRNA                                                                     | ref | NM_006374.2 | 21361357 uORF | Ref |
| Homo sapiens HIV-1 Tat interacting protein, 60kDa (HTATIP), transcript variant 2, mRNA                                                           | ref | NM_006388.2 | 36287048 uORF | Ref |
| Homo sapiens basic leucine zipper transcription factor, ATF-like (BATF), mRNA                                                                    | ref | NM_006399.2 | 18375640 uORF | Ref |
| Homo sapiens acidic (leucine-rich) nuclear phosphoprotein 32 family, member B (ANP32B), mRNA                                                     | ref | NM_006401.1 | 5454087 uORF  | Ref |
| Homo sapiens hepatitis B virus x interacting protein (HBXIP), mRNA                                                                               | ref | NM_006402.2 | 38788352 uORF | Ref |
| Homo sapiens peroxiredoxin 4 (PRDX4), mRNA                                                                                                       | ref | NM_006406.1 | 5453548 uORF  | Ref |
| Homo sapiens anterior gradient 2 homolog (Xenopus laevis) (AGR2), mRNA                                                                           | ref | NM_006408.2 | 20070225 uORF | Ref |
| Homo sapiens ribonuclease P (30kD) (RPP30), mRNA                                                                                                 | ref | NM_006413.2 | 19923360 uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein L28 (MRPL28), nuclear gene encoding mitochondrial protein, mRNA                                     | ref | NM_006428.3 | 39812062 uORF | Ref |
| Homo sapiens chaperonin containing TCP1, subunit 7 (eta) (CCT7), mRNA                                                                            | ref | NM_006429.1 | 5453606 uORF  | Ref |
| Homo sapiens Niemann-Pick disease, type C2 (NPC2), mRNA                                                                                          | ref | NM_006432.2 | 20149580 uORF | Ref |
| Homo sapiens granulysin (GNLY), transcript variant NKG5, mRNA                                                                                    | ref | NM_006433.2 | 7108343 uORF  | Ref |
| Homo sapiens mab-21-like 2 (C. elegans) (MAB21L2), mRNA                                                                                          | ref | NM_006439.3 | 18765720 uORF | Ref |
| Homo sapiens DR1-associated protein 1 (negative cofactor 2 alpha) (DRAP1), mRNA                                                                  | ref | NM_006442.2 | 18426972 uORF | Ref |
| Homo sapiens chromosome 6 open reading frame 108 (C6orf108), transcript variant 1, mRNA                                                          | ref | NM_006443.2 | 38683842 uORF | Ref |
| Homo sapiens CDC42 effector protein (Rho GTPase binding) 3 (CDC42EP3), mRNA                                                                      | ref | NM_006449.2 | 19923355 uORF | Ref |
| Homo sapiens transducin (beta)-like 3 (TBL3), mRNA                                                                                               | ref | NM_006453.2 | 19913368 uORF | Ref |
| Homo sapiens HMBA-inducible (HIS1), mRNA                                                                                                         | ref | NM_006460.1 | 5453681 uORF  | Ref |
| Homo sapiens associated molecule with the SH3 domain of STAM (AMSH), mRNA                                                                        | ref | NM_006463.2 | 17738303 uORF | Ref |
| Homo sapiens polymerase (RNA) III (DNA directed) (62kD) (RPOC2), mRNA                                                                            | ref | NM_006468.3 | 21359968 uORF | Ref |
| Homo sapiens ATP synthase, H+ transporting, mitochondrial F0 complex, subunit g (ATP5L), mRNA                                                    | ref | NM_006476.2 | 21359881 uORF | Ref |
| Homo sapiens RAD51-interacting protein (PIRS1), mRNA                                                                                             | ref | NM_006479.2 | 19923778 uORF | Ref |
| Homo sapiens regulator of G-protein signalling 14 (RGS14), mRNA                                                                                  | ref | NM_006480.4 | 56682941 uORF | Ref |
| Homo sapiens guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3 (GNAI3), mRNA                               | ref | NM_006496.1 | 5729849 uORF  | Ref |
| Homo sapiens lectin, galactoside-binding, soluble, 2 (galectin 2) (LGALS2), mRNA                                                                 | ref | NM_006498.1 | 5729902 uORF  | Ref |
| Homo sapiens protein tyrosine phosphatase, receptor type, E (PTPRE), transcript variant 1, mRNA                                                  | ref | NM_006504.2 | 18860860 uORF | Ref |
| Homo sapiens transcription factor binding to IGHM enhancer 3 (TFE3), mRNA                                                                        | ref | NM_006521.3 | 21359903 uORF | Ref |
| Homo sapiens tissue factor pathway inhibitor 2 (TFPI2), mRNA                                                                                     | ref | NM_006528.2 | 31543803 uORF | Ref |
| Homo sapiens secretoglobin, family 1D, member 1 (SCGB1D1), mRNA                                                                                  | ref | NM_006552.1 | 5729906 uORF  | Ref |
| Homo sapiens SNARE protein Ykt6 (YKT6), mRNA                                                                                                     | ref | NM_006555.2 | 21071061 uORF | Ref |
| Homo sapiens dynactin 6 (DCTN6), mRNA                                                                                                            | ref | NM_006571.2 | 18428895 uORF | Ref |
| Homo sapiens tumor necrosis factor (ligand) superfamily, member 13b (TNFSF13B), mRNA                                                             | ref | NM_006573.2 | 21314645 uORF | Ref |
| Homo sapiens guanine nucleotide binding protein (G protein), beta 5 (GNB5), transcript variant 1, mRNA                                           | ref | NM_006578.2 | 20336268 uORF | Ref |
| Homo sapiens emopamil binding protein (sterol isomerase) (EBP), mRNA                                                                             | ref | NM_006579.1 | 5728808 uORF  | Ref |
| Homo sapiens claudin 16 (CLDN16), mRNA                                                                                                           | ref | NM_006580.2 | 21536296 uORF | Ref |
| Homo sapiens trinucleotide repeat containing 5 (TNR05), mRNA                                                                                     | ref | NM_006586.2 | 33942071 uORF | Ref |
| Homo sapiens heat shock 70kDa protein 8 (HSPA8), transcript variant 1, mRNA                                                                      | ref | NM_006597.3 | 24234684 uORF | Ref |
| Homo sapiens unactive progesterone receptor, 23 kD (TEBP), mRNA                                                                                  | ref | NM_006601.4 | 23308578 uORF | Ref |
| Homo sapiens pituitary tumor-transforming 2 (PTTG2), mRNA                                                                                        | ref | NM_006607.1 | 10835092 uORF | Ref |
| Homo sapiens killer cell lectin-like receptor subfamily A, member 1 (KLRA1), mRNA                                                                | ref | NM_006611.1 | 5729898 uORF  | Ref |
| Homo sapiens polo-like kinase 2 (Drosophila) (PLK2), mRNA                                                                                        | ref | NM_006622.1 | 5730054 N/A   | Ref |
| Homo sapiens phosphoglycerate dehydrogenase (PHGDH), mRNA                                                                                        | ref | NM_006623.1 | 5729973 uORF  | Ref |
| Homo sapiens cyclic AMP phosphoprotein, 19 kD (ARPP-19), mRNA                                                                                    | ref | NM_006628.4 | 56549669 uORF | Ref |
| Homo sapiens serologically defined colon cancer antigen 3 (SDCAG3), mRNA                                                                         | ref | NM_006643.2 | 21361349 uORF | Ref |
| Homo sapiens heat shock 105kDa/110kDa protein 1 (HSPH1), mRNA                                                                                    | ref | NM_006644.2 | 42544158 uORF | Ref |
| Homo sapiens complexin 1 (CPLX1), mRNA                                                                                                           | ref | NM_006651.2 | 17738305 uORF | Ref |
| Homo sapiens suc1-associated neurotrophic factor target 2 (FGFR signalling adaptor) (SNT-2), mRNA                                                | ref | NM_006653.1 | 5730058 uORF  | Ref |
| Homo sapiens chromosome 7 open reading frame 16 (C7orf16), mRNA                                                                                  | ref | NM_006658.1 | 5729859 uORF  | Ref |
| Homo sapiens RuvB-like 2 (E. coli) (RUVBL2), mRNA                                                                                                | ref | NM_006666.1 | 5730022 uORF  | Ref |
| Homo sapiens progesterone receptor membrane component 1 (PGRMC1), mRNA                                                                           | ref | NM_006667.2 | 6857798 uORF  | Ref |
| Homo sapiens leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1 (LILRB1), mRNA                             | ref | NM_006669.2 | 19923781 uORF | Ref |
| Homo sapiens neuromedin U (NMU), mRNA                                                                                                            | ref | NM_006681.1 | 5729946 uORF  | Ref |
| Homo sapiens proline rich 3 (PROL3), mRNA                                                                                                        | ref | NM_006685.2 | 6678187 uORF  | Ref |
| Homo sapiens actin-like 7B (ACTL7B), mRNA                                                                                                        | ref | NM_006686.2 | 11761637 uORF | Ref |
| Homo sapiens actin-like 7A (ACTL7A), mRNA                                                                                                        | ref | NM_006687.2 | 11761636 uORF | Ref |
| Homo sapiens jumping translocation breakpoint (JTB), mRNA                                                                                        | ref | NM_006694.1 | 5729888 uORF  | Ref |
| Homo sapiens Rap2 interacting protein 8 (RPIP8), mRNA                                                                                            | ref | NM_006695.2 | 20127507 uORF | Ref |
| Homo sapiens thioredoxin-like 4 (TXNL4), mRNA                                                                                                    | ref | NM_006701.2 | 20070233 uORF | Ref |
| Homo sapiens activated RNA polymerase II transcription cofactor 4 (PC4), mRNA                                                                    | ref | NM_006713.2 | 19923783 uORF | Ref |
| Homo sapiens sex comb on midleg-like 1 (Drosophila) (SCML1), mRNA                                                                                | ref | NM_006746.1 | 5803158 uORF  | Ref |
| Homo sapiens Src-like-adaptor (SLA), mRNA                                                                                                        | ref | NM_006748.1 | 5803170 uORF  | Ref |
| Homo sapiens solute carrier family 20 (phosphate transporter), member 2 (SLC20A2), mRNA                                                          | ref | NM_006749.2 | 21361359 uORF | Ref |
| Homo sapiens synaptophysin-like protein (SYPL), transcript variant 1, mRNA                                                                       | ref | NM_006754.2 | 33239441 uORF | Ref |
| Homo sapiens transaldolase 1 (TALDO1), mRNA                                                                                                      | ref | NM_006755.1 | 5803186 uORF  | Ref |
| Homo sapiens quaking homolog, KH domain RNA binding (mouse) (QKI), transcript variant 1, mRNA                                                    | ref | NM_006775.1 | 45827705 uORF | Ref |
| Homo sapiens CDC42 effector protein (Rho GTPase binding) 2 (CDC42EP2), mRNA                                                                      | ref | NM_006779.2 | 30089963 uORF | Ref |
| Homo sapiens ralA binding protein 1 (RALBP1), mRNA                                                                                               | ref | NM_006788.2 | 21361362 uORF | Ref |
| Homo sapiens titin immunoglobulin domain protein (myotilin) (TTID), mRNA                                                                         | ref | NM_006790.1 | 5803105 uORF  | Ref |
| Homo sapiens mortality factor 4 like 1 (MORF4L1), mRNA                                                                                           | ref | NM_006791.1 | 5803101 uORF  | Ref |
| Homo sapiens splicing factor 3a, subunit 3, 60kDa (SF3A3), mRNA                                                                                  | ref | NM_006802.1 | 5803166 uORF  | Ref |
| Homo sapiens START domain containing 3 (STARTD3), mRNA                                                                                           | ref | NM_006804.2 | 31543656 uORF | Ref |
| Homo sapiens heterogeneous nuclear ribonucleoprotein A0 (HNRPA0), mRNA                                                                           | ref | NM_006805.2 | 14110425 uORF | Ref |
| Homo sapiens chromobox homolog 1 (HP1 beta homolog Drosophila) (CBX1), mRNA                                                                      | ref | NM_006807.2 | 21359877 uORF | Ref |
| Homo sapiens coated vesicle membrane protein (RNP24), mRNA                                                                                       | ref | NM_006815.2 | 21314646 uORF | Ref |
| Homo sapiens stress-induced-phosphoprotein 1 (Hsp70/Hsp90-organizing protein) (STIP1), mRNA                                                      | ref | NM_006819.1 | 5803180 uORF  | Ref |
| Homo sapiens RAB40B, member RAS oncogene family (RAB40B), mRNA                                                                                   | ref | NM_006822.1 | 5803162 uORF  | Ref |
| Homo sapiens transmembrane trafficking protein (TIMP21), mRNA                                                                                    | ref | NM_006827.2 | 21359875 uORF | Ref |
| Homo sapiens ATP/GTP-binding protein (HEAB), mRNA                                                                                                | ref | NM_006831.1 | 5803028 uORF  | Ref |
| Homo sapiens RAB32, member RAS oncogene family (RAB32), mRNA                                                                                     | ref | NM_006834.2 | 20127508 uORF | Ref |
| Homo sapiens tousled-like kinase 2 (TLK2), mRNA                                                                                                  | ref | NM_006852.1 | 11140818 N/A  | Ref |
| Homo sapiens KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2 (KDELR2), mRNA                                            | ref | NM_006854.2 | 8051608 uORF  | Ref |
| Homo sapiens transmembrane emp24 domain containing 1 (TMED1), mRNA                                                                               | ref | NM_006858.2 | 27894322 uORF | Ref |
| Homo sapiens RAB35, member RAS oncogene family (RAB35), mRNA                                                                                     | ref | NM_006861.2 | 19923377 uORF | Ref |
| Homo sapiens centaurin, alpha 1 (CENTA1), mRNA                                                                                                   | ref | NM_006869.1 | 8806912 uORF  | Ref |
| Homo sapiens destrin (actin depolymerizing factor) (DSTN), mRNA                                                                                  | ref | NM_006870.2 | 6466447 uORF  | Ref |
| Homo sapiens guanosine monophosphate reductase (GMPR), mRNA                                                                                      | ref | NM_006877.1 | 11321610 uORF | Ref |
| Homo sapiens ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit (ATP5E), nuclear gene encoding mitochondrial protein, mRNA | ref | NM_006886.2 | 21327678 uORF | Ref |
| Homo sapiens relaxin 1 (H1) (RLN1), mRNA                                                                                                         | ref | NM_006911.2 | 20143931 uORF | Ref |
| Homo sapiens ring finger protein 5 (RNFS), mRNA                                                                                                  | ref | NM_006913.2 | 34305290 uORF | Ref |
| Homo sapiens S-phase kinase-associated protein 1A (p19A) (SKP1A), transcript variant 1, mRNA                                                     | ref | NM_006930.2 | 25777710 uORF | Ref |
| Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 3 (SLC2A3), mRNA                                                  | ref | NM_006931.1 | 5902089 uORF  | Ref |
| Homo sapiens SMT3 suppressor of mif two 3 homolog 2 (yeast) (SMT3H2), mRNA                                                                       | ref | NM_006937.2 | 21361387 uORF | Ref |

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| Homo sapiens stress 70 protein chaperone, microsome-associated, 60kDa (STCH), mRNA                                               | ref | NM_006948.1 | 5902125 uORF  | Ref |
| Homo sapiens zinc finger protein 46 (KUP) (ZNF46), mRNA                                                                          | ref | NM_006977.1 | 5902163 uORF  | Ref |
| Homo sapiens zinc finger protein 183 (RING finger, C3HC4 type) (ZNF183), mRNA                                                    | ref | NM_006978.1 | 5902157 uORF  | Ref |
| Homo sapiens claudin 10 (CLDN10), mRNA                                                                                           | ref | NM_006984.1 | 5921464 uORF  | Ref |
| Homo sapiens butyrophilin, subfamily 2, member A2 (BTN2A2), mRNA                                                                 | ref | NM_006995.2 | 6453812 uORF  | Ref |
| Homo sapiens adhesion regulating molecule 1 (ADRM1), mRNA                                                                        | ref | NM_007002.1 | 5901959 uORF  | Ref |
| Homo sapiens cleavage and polyadenylation specific factor 5, 25 kDa (CPSF5), mRNA                                                | ref | NM_007006.1 | 5901925 uORF  | Ref |
| Homo sapiens reticulon 4 (RTN4), mRNA                                                                                            | ref | NM_007008.1 | 5902015 uORF  | Ref |
| Homo sapiens ubiquitin-conjugating enzyme E2C (UBE2C), mRNA                                                                      | ref | NM_007019.1 | 5902145 uORF  | Ref |
| Homo sapiens putative tumor suppressor (101F8), mRNA                                                                             | ref | NM_007022.1 | 5901883 uORF  | Ref |
| Homo sapiens kinesin family member 3A (KIF3A), mRNA                                                                              | ref | NM_007054.1 | 6857803 uORF  | Ref |
| Homo sapiens CDC37 cell division cycle 37 homolog (S. cerevisiae) (CDC37), mRNA                                                  | ref | NM_007065.2 | 16357478 uORF | Ref |
| Homo sapiens MYST histone acetyltransferase 2 (MYST2), mRNA                                                                      | ref | NM_007067.3 | 34222308 uORF | Ref |
| Homo sapiens LSM6 homolog, U6 small nuclear RNA associated (S. cerevisiae) (LSM6), mRNA                                          | ref | NM_007080.1 | 5901997 uORF  | Ref |
| Homo sapiens nudix (nucleoside diphosphate linked moiety X)-type motif 6 (NUDT6), mRNA                                           | ref | NM_007083.2 | 20149582 uORF | Ref |
| Homo sapiens signal sequence receptor, gamma (translocon-associated protein gamma) (SSR3), mRNA                                  | ref | NM_007107.2 | 28416942 uORF | Ref |
| Homo sapiens transcription elongation factor B (SIII), polypeptide 2 (18kDa, elongin B) (TCEB2), mRNA                            | ref | NM_007108.1 | 6005889 uORF  | Ref |
| Homo sapiens transcription factor Dp-1 (TFDP1), mRNA                                                                             | ref | NM_007111.2 | 21361419 uORF | Ref |
| Homo sapiens upstream transcription factor 1 (USF1), mRNA                                                                        | ref | NM_007122.1 | 6005933 uORF  | Ref |
| Homo sapiens zinc finger protein 79 (pT7) (ZNF79), mRNA                                                                          | ref | NM_007135.1 | 24307936 uORF | Ref |
| Homo sapiens transcription factor EB (TFEB), mRNA                                                                                | ref | NM_007162.1 | 24307932 uORF | Ref |
| Homo sapiens nucleoporin 50kDa (NUP50), transcript variant 2, mRNA                                                               | ref | NM_007172.2 | 24497450 uORF | Ref |
| Homo sapiens protease, serine, 23 (PRSS23), mRNA                                                                                 | ref | NM_007173.3 | 38788121 uORF | Ref |
| Homo sapiens chromosome 14 open reading frame 1 (C14orf1), mRNA                                                                  | ref | NM_007176.1 | 6005718 uORF  | Ref |
| Homo sapiens CHK2 checkpoint homolog (S. pombe) (CHEK2), mRNA                                                                    | ref | NM_007194.1 | 6005849 N/A   | Ref |
| Homo sapiens CHK2 checkpoint homolog (S. pombe) (CHEK2), transcript variant 1, mRNA                                              | ref | NM_007194.2 | 22209010 uORF | Ref |
| Homo sapiens proline synthetase co-transcribed homolog (bacterial) (PROSC), mRNA                                                 | ref | NM_007198.1 | 6005841 uORF  | Ref |
| Homo sapiens interleukin-1 receptor-associated kinase 3 (IRAK3), mRNA                                                            | ref | NM_007199.1 | 6005791 uORF  | Ref |
| Homo sapiens A kinase (PRKA) anchor protein 10 (AKAP10), nuclear gene encoding mitochondrial protein, mRNA                       | ref | NM_007202.2 | 21493032 uORF | Ref |
| Homo sapiens programmed cell death 10 (PDCD10), mRNA                                                                             | ref | NM_007217.2 | 20127516 uORF | Ref |
| Homo sapiens carbonic anhydrase VB, mitochondrial (CA5B), nuclear gene encoding mitochondrial protein, mRNA                      | ref | NM_007220.1 | 6005722 uORF  | Ref |
| Homo sapiens putative G protein coupled receptor (GPR), mRNA                                                                     | ref | NM_007223.1 | 6005771 uORF  | Ref |
| Homo sapiens TP53 activated protein 1 (TP53AP1), mRNA                                                                            | ref | NM_007233.1 | 6005909 uORF  | Ref |
| Homo sapiens dual specificity phosphatase 12 (DUSP12), mRNA                                                                      | ref | NM_007240.1 | 6005955 uORF  | Ref |
| Homo sapiens EAP30 subunit of ELL complex (EAP30), mRNA                                                                          | ref | NM_007241.2 | 21361379 uORF | Ref |
| Homo sapiens DEAD (Asp-Glu-Ala-As) box polypeptide 19 (DDX19), mRNA                                                              | ref | NM_007242.3 | 34328905 uORF | Ref |
| Homo sapiens kelch-like 2, Mayven (Drosophila) (KLHL2), mRNA                                                                     | ref | NM_007246.2 | 21359895 uORF | Ref |
| Homo sapiens Kruppel-like factor 12 (KLF12), transcript variant 1, mRNA                                                          | ref | NM_007249.3 | 21071073 uORF | Ref |
| Homo sapiens polynucleotide kinase 3'-phosphatase (PNKP), mRNA                                                                   | ref | NM_007254.2 | 31543418 uORF | Ref |
| Homo sapiens xylosylprotein beta 1,4-galactosyltransferase, polypeptide 7 (galactosyltransferase I) (B4GALT7), mRNA              | ref | NM_007255.1 | 6005951 uORF  | Ref |
| Homo sapiens solute carrier organic anion transporter family, member ZB1 (SLCO2B1), mRNA                                         | ref | NM_007256.1 | 6005819 uORF  | Ref |
| Homo sapiens lysophospholipase II (LYPLA2), mRNA                                                                                 | ref | NM_007260.2 | 20302149 uORF | Ref |
| Homo sapiens Parkinson disease (autosomal recessive, early onset) 7 (PARK7), mRNA                                                | ref | NM_007262.1 | 6005748 uORF  | Ref |
| Homo sapiens Ig superfamily protein (Z39IG), mRNA                                                                                | ref | NM_007268.1 | 6005957 uORF  | Ref |
| Homo sapiens serine/threonine kinase 38 (STK38), mRNA                                                                            | ref | NM_007271.1 | 6005813 uORF  | Ref |
| Homo sapiens SEC6-like 1 (S. cerevisiae) (SEC6L1), mRNA                                                                          | ref | NM_007277.3 | 38148698 uORF | Ref |
| Homo sapiens PTK9L protein tyrosine kinase 9-like (A6-related protein) (PTK9L), mRNA                                             | ref | NM_007284.1 | 6005845 uORF  | Ref |
| Homo sapiens GABA(A) receptor-associated protein-like 2 (GABARAPL2), mRNA                                                        | ref | NM_007285.5 | 20911042 uORF | Ref |
| Homo sapiens benzodiazepine receptor (peripheral) (BZRP), transcript variant PBR-S, mRNA                                         | ref | NM_007311.2 | 21536443 uORF | Ref |
| Homo sapiens nuclear cap binding protein subunit 2, 20kDa (NCBP2), mRNA                                                          | ref | NM_007362.2 | 19923386 uORF | Ref |
| Homo sapiens soc-2 suppressor of clear homolog (C. elegans) (SHOCC2), mRNA                                                       | ref | NM_007373.2 | 41281397 uORF | Ref |
| Homo sapiens adaptor-related protein complex 3, mu 1 subunit (AP3M1), mRNA                                                       | ref | NM_012095.2 | 14916517 uORF | Ref |
| Homo sapiens adaptor protein containing pH domain, PTB domain and leucine zipper motif (APPL), mRNA                              | ref | NM_012096.1 | 6912241 uORF  | Ref |
| Homo sapiens ADP-ribosylation factor-like 5 (ARL5), transcript variant 1, mRNA                                                   | ref | NM_012097.2 | 29542733 uORF | Ref |
| Homo sapiens tripartite motif-containing 29 (TRIM29), transcript variant 1, mRNA                                                 | ref | NM_012101.2 | 17402908 uORF | Ref |
| Homo sapiens BCR downstream signaling 1 (BRDG1), mRNA                                                                            | ref | NM_012108.1 | 6912271 uORF  | Ref |
| Homo sapiens AHA1, activator of heat shock 90kDa protein ATPase homolog 1 (yeast) (AHS1), mRNA                                   | ref | NM_012111.1 | 6912279 uORF  | Ref |
| Homo sapiens carbonic anhydrase XIV (CA14), mRNA                                                                                 | ref | NM_012113.1 | 6912283 uORF  | Ref |
| Homo sapiens chromobox homolog 5 (HP1 alpha homolog, Drosophila) (CBX5), mRNA                                                    | ref | NM_012117.1 | 6912291 uORF  | Ref |
| Homo sapiens claudin 12 (CLDN12), mRNA                                                                                           | ref | NM_012129.1 | 6912311 uORF  | Ref |
| Homo sapiens ets homologous factor (EHF), mRNA                                                                                   | ref | NM_012153.1 | 6912349 uORF  | Ref |
| Homo sapiens F-box and leucine-rich repeat protein 9 (FBXL9), mRNA                                                               | ref | NM_012163.1 | 16306590 uORF | Ref |
| Homo sapiens F-box protein 3 (FBXO3), transcript variant 1, mRNA                                                                 | ref | NM_012175.3 | 48928041 uORF | Ref |
| Homo sapiens F-box only protein 7 (FBXO7), mRNA                                                                                  | ref | NM_012179.2 | 15812192 uORF | Ref |
| Homo sapiens putative tumor suppressor (FUS2), mRNA                                                                              | ref | NM_012191.1 | 6912378 uORF  | Ref |
| Homo sapiens polymerase I and transcript release factor (PTRF), mRNA                                                             | ref | NM_012232.2 | 42734429 uORF | Ref |
| Homo sapiens sirtuin (silent mating type information regulation 2 homolog) 3 (S. cerevisiae) (SIRT3), mRNA                       | ref | NM_012239.3 | 13775603 uORF | Ref |
| Homo sapiens sirtuin (silent mating type information regulation 2 homolog) 5 (S. cerevisiae) (SIRT5), transcript variant 1, mRNA | ref | NM_012241.2 | 13787213 uORF | Ref |
| Homo sapiens selenophosphate synthetase 1 (SEPHS1), mRNA                                                                         | ref | NM_012247.3 | 45269154 uORF | Ref |
| Homo sapiens chromosome 20 open reading frame 103 (C20orf103), mRNA                                                              | ref | NM_012261.1 | 7110632 uORF  | Ref |
| Homo sapiens chromosome 22 open reading frame 3 (C22orf3), mRNA                                                                  | ref | NM_012265.1 | 11072100 uORF | Ref |
| Homo sapiens double-stranded RNA-binding zinc finger protein JAZ (JAZ2), mRNA                                                    | ref | NM_012279.1 | 6912439 uORF  | Ref |
| Homo sapiens FtsJ homolog 1 (E. coli) (FTSJ1), mRNA                                                                              | ref | NM_012280.1 | 7110660 uORF  | Ref |
| Homo sapiens kelch-like ECH-associated protein 1 (KEAP1), mRNA                                                                   | ref | NM_012289.2 | 22027641 uORF | Ref |
| Homo sapiens karyopherin alpha 6 (importin alpha 7) (KPNA6), mRNA                                                                | ref | NM_012316.2 | 21314651 uORF | Ref |
| Homo sapiens U6 snRNA-associated Sm-like protein (LSM4), mRNA                                                                    | ref | NM_012321.1 | 6912485 uORF  | Ref |
| Homo sapiens tetraspanin 15 (TSPAN15), mRNA                                                                                      | ref | NM_012339.3 | 54792144 uORF | Ref |
| Homo sapiens olfactory receptor, family 2, subfamily C, member 1 (OR2C1), mRNA                                                   | ref | NM_012368.1 | 6912555 uORF  | Ref |
| Homo sapiens olfactory receptor, family 2, subfamily F, member 1 (OR2F1), mRNA                                                   | ref | NM_012369.1 | 6912557 uORF  | Ref |
| Homo sapiens osmosis responsive factor (OSRF), mRNA                                                                              | ref | NM_012382.1 | 7110678 uORF  | Ref |
| Homo sapiens osteoclast stimulating factor 1 (OSTF1), mRNA                                                                       | ref | NM_012383.2 | 21361408 uORF | Ref |
| Homo sapiens pallidin homolog (mouse) (PLDN), mRNA                                                                               | ref | NM_012388.1 | 6912573 uORF  | Ref |
| Homo sapiens SAM pointed domain containing ets transcription factor (SPDEF), mRNA                                                | ref | NM_012391.1 | 6912578 uORF  | Ref |
| Homo sapiens PFTAIRE protein kinase 1 (PFTK1), mRNA                                                                              | ref | NM_012395.1 | 6912583 N/A   | Ref |
| Homo sapiens pleckstrin homology-like domain, family A, member 3 (PHLDA3), mRNA                                                  | ref | NM_012396.1 | 6912588 N/A   | Ref |
| Homo sapiens ADP-ribosylation factor interacting protein 2 (arfpap2) (ARFIP2), mRNA                                              | ref | NM_012402.1 | 6912601 uORF  | Ref |
| Homo sapiens protein kinase C, alpha binding protein (PRKCABP), mRNA                                                             | ref | NM_012407.1 | 7110696 uORF  | Ref |
| Homo sapiens glutamyl-peptide cyclotransferase (glutamyl cyclase) (QPCT), mRNA                                                   | ref | NM_012413.2 | 9257235 uORF  | Ref |
| Homo sapiens regulator of G-protein signalling 17 (RGS17), mRNA                                                                  | ref | NM_012419.3 | 21361404 uORF | Ref |
| Homo sapiens ribosomal protein S6 kinase, 52kDa, polypeptide 1 (RPS6KC1), mRNA                                                   | ref | NM_012424.2 | 19923722 N/A  | Ref |
| Homo sapiens Ras suppressor protein 1 (RSU1), mRNA                                                                               | ref | NM_012425.2 | 10800408 uORF | Ref |
| Homo sapiens SEC22 vesicle trafficking protein-like 2 (S. cerevisiae) (SEC22L2), mRNA                                            | ref | NM_012430.2 | 14591918 uORF | Ref |
| Homo sapiens testis specific leucine rich repeat protein (TSLRP), mRNA                                                           | ref | NM_012472.1 | 7106438 uORF  | Ref |
| Homo sapiens thioredoxin 2 (TXN2), mRNA                                                                                          | ref | NM_012473.2 | 21361402 uORF | Ref |
| Homo sapiens uridine monophosphate kinase (UMPK), mRNA                                                                           | ref | NM_012474.3 | 20357519 uORF | Ref |
| Homo sapiens programmed cell death 6 (PDCD6), mRNA                                                                               | ref | NM_013232.2 | 22027539 uORF | Ref |
| Homo sapiens serine threonine kinase 39 (STE20/SPS1 homolog, yeast) (STK39), mRNA                                                | ref | NM_013233.1 | 7019542 N/A   | Ref |
| Homo sapiens TANK-binding kinase 1 (TBK1), mRNA                                                                                  | ref | NM_013254.2 | 19743810 N/A  | Ref |
| Homo sapiens TANK-binding kinase 1 (TBK1), mRNA                                                                                  | ref | NM_013254.2 | 19743810 uORF | Ref |
| Homo sapiens serum/glucocorticoid regulated kinase-like (SGKL), mRNA                                                             | ref | NM_013257.2 | 20070246 N/A  | Ref |
| Homo sapiens GT198, complete ORF (HUMGT198A), mRNA                                                                               | ref | NM_013290.1 | 7019422 uORF  | Ref |
| Homo sapiens transformer-2 alpha (TRA2A), mRNA                                                                                   | ref | NM_013293.1 | 9558732 uORF  | Ref |
| Homo sapiens transitional epithelia response protein (TERE1), mRNA                                                               | ref | NM_013319.1 | 7019550 uORF  | Ref |
| Homo sapiens sorting nexin 10 (SNX10), mRNA                                                                                      | ref | NM_013322.2 | 23111022 uORF | Ref |
| Homo sapiens sorting nexin 11 (SNX11), mRNA                                                                                      | ref | NM_013323.1 | 7019538 uORF  | Ref |
| Homo sapiens pyrroline 5-carboxylate reductase isoform (P5OR2), mRNA                                                             | ref | NM_013328.2 | 21361453 uORF | Ref |
| Homo sapiens hypoxia-inducible protein 2 (HIQ2), mRNA                                                                            | ref | NM_013332.1 | 7019408 uORF  | Ref |
| Homo sapiens Alg5, S. cerevisiae, homolog of (ALG5), mRNA                                                                        | ref | NM_013338.2 | 9665250 uORF  | Ref |
| Homo sapiens TCF3 (E2A) fusion partner (in childhood Leukemia) (TFPT), mRNA                                                      | ref | NM_013342.1 | 7019370 uORF  | Ref |
| Homo sapiens loss of heterozygosity, 3, chromosomal region 2, gene A (LOH3CR2A), mRNA                                            | ref | NM_013343.1 | 7106370 uORF  | Ref |
| Homo sapiens protein kinase PKNbeta (pknbeta), mRNA                                                                              | ref | NM_013355.1 | 7019488 N/A   | Ref |
| Homo sapiens activator of basal transcription 1 (ABT1), mRNA                                                                     | ref | NM_013375.2 | 17572813 uORF | Ref |
| Homo sapiens pleckstrin homology, Sec7 and coiled-coil domains 4 (PSOD4), mRNA                                                   | ref | NM_013385.2 | 8670549 uORF  | Ref |
| Homo sapiens RAB3A interacting protein (rabln3)-like 1 (RAB3BL1), mRNA                                                           | ref | NM_013401.2 | 21361439 uORF | Ref |
| Homo sapiens adenylyate kinase 3 (AK3), mRNA                                                                                     | ref | NM_013410.1 | 8051578 uORF  | Ref |
| Homo sapiens neutrophil cytosolic factor 4, 40kDa (NCF4), transcript variant 2, mRNA                                             | ref | NM_013416.1 | 7382492 uORF  | Ref |
| Homo sapiens CMP-NeuAc(beta)-N-acetylglactosaminide (alpha)2,6-sialyltransferase member V1 (ST6GALNAC6), mRNA                    | ref | NM_013443.2 | 21361443 uORF | Ref |
| Homo sapiens ubiquitin 2 (UBQLN2), mRNA                                                                                          | ref | NM_013444.2 | 16753206 uORF | Ref |
| Homo sapiens chloride intracellular channel 4 (CLIC4), mRNA                                                                      | ref | NM_013943.1 | 7330334 uORF  | Ref |
| Homo sapiens dimethylarginine dimethylaminohydrolase 2 (DDAH2), mRNA                                                             | ref | NM_013974.1 | 7524353 uORF  | Ref |
| Homo sapiens lipase III, DNA, ATP-dependent (LIQ3), transcript variant alpha, mRNA                                               | ref | NM_013975.1 | 7710125 uORF  | Ref |
| Homo sapiens inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon (IKBKE), mRNA                         | ref | NM_014002.1 | 7661945 N/A   | Ref |
| Homo sapiens RAS (RAD and GEM)-like GTP-binding (REM), mRNA                                                                      | ref | NM_014012.2 | 20070285 uORF | Ref |
| Homo sapiens DKFZP586A0522 protein (DKFZP586A0522), mRNA                                                                         | ref | NM_014033.1 | 13378140 uORF | Ref |
| Homo sapiens ASF1 anti-silencing function 1 homolog A (S. cerevisiae) (ASF1A), mRNA                                              | ref | NM_014034.1 | 7661591 uORF  | Ref |

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| Homo sapiens sorting nexin 24 (SNX24), mRNA                                                                                             | ref | NM_014035.1 | 7662654 uORF  | Ref |
| Homo sapiens PTD012 protein (PTD012), mRNA                                                                                              | ref | NM_014039.2 | 21361494 uORF | Ref |
| Homo sapiens DKFZP564M082 protein (DKFZP564M082), mRNA                                                                                  | ref | NM_014042.1 | 7661621 uORF  | Ref |
| Homo sapiens unc-50 homolog (C. elegans) (UNC50), mRNA                                                                                  | ref | NM_014044.4 | 37059764 uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein S18B (MRPS18B), nuclear gene encoding mitochondrial protein, mRNA                          | ref | NM_014046.2 | 16554601 uORF | Ref |
| Homo sapiens HSPC023 protein (HSPC023), mRNA                                                                                            | ref | NM_014047.1 | 7661741 uORF  | Ref |
| Homo sapiens transmembrane protein 14A (TMEM14A), mRNA                                                                                  | ref | NM_014051.1 | 7662638 uORF  | Ref |
| Homo sapiens carnitine deficiency-associated gene expressed in ventricle 1 (CDV-1), mRNA                                                | ref | NM_014055.1 | 7661539 uORF  | Ref |
| Homo sapiens APR-1 protein (MAGEH1), mRNA                                                                                               | ref | NM_014061.3 | 18105051 uORF | Ref |
| Homo sapiens likely ortholog of mouse nin o binding protein (NOB1P), mRNA                                                               | ref | NM_014062.1 | 7661531 uORF  | Ref |
| Homo sapiens COMM domain containing 5 (COMMDS), mRNA                                                                                    | ref | NM_014066.2 | 19923429 uORF | Ref |
| Homo sapiens family with sequence similarity 32, member A (FAM32A), mRNA                                                                | ref | NM_014077.1 | 7661695 uORF  | Ref |
| Homo sapiens protein phosphatase 1, regulatory (inhibitor) subunit 8 (PPP1R8), transcript variant 1, mRNA                               | ref | NM_014110.3 | 20336237 uORF | Ref |
| Homo sapiens HSPC141 protein (HSPC141), mRNA                                                                                            | ref | NM_014172.1 | 7661799 uORF  | Ref |
| Homo sapiens HSPC150 protein similar to ubiquitin-conjugating enzyme (HSPC150), mRNA                                                    | ref | NM_014176.1 | 7661807 uORF  | Ref |
| Homo sapiens ORM1-like 2 (S. cerevisiae) (ORMDL2), mRNA                                                                                 | ref | NM_014182.2 | 21314658 uORF | Ref |
| Homo sapiens dynein, cytoplasmic, light polypeptide 2A (DNCL2A), mRNA                                                                   | ref | NM_014183.1 | 7661821 uORF  | Ref |
| Homo sapiens HSPC163 protein (HSPC163), mRNA                                                                                            | ref | NM_014184.1 | 7661823 uORF  | Ref |
| Homo sapiens HSPC182 protein (HSPC182), mRNA                                                                                            | ref | NM_014188.2 | 46370096 uORF | Ref |
| Homo sapiens inositol(myo)-1(or 4)-monophosphatase 2 (IMPA2), mRNA                                                                      | ref | NM_014214.1 | 7657235 uORF  | Ref |
| Homo sapiens mature T-cell proliferation 1 (MTCOP1), mRNA                                                                               | ref | NM_014221.1 | 7657348 uORF  | Ref |
| Homo sapiens hydroxysteroid (17-beta) dehydrogenase 8 (HSD17B8), mRNA                                                                   | ref | NM_014234.3 | 20143980 uORF | Ref |
| Homo sapiens eukaryotic translation initiation factor 2B, subunit 2 beta, 39kDa (EIF2B2), mRNA                                          | ref | NM_014239.1 | 7657057 uORF  | Ref |
| Homo sapiens protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a (PTPLA), mRNA                          | ref | NM_014241.2 | 18104975 uORF | Ref |
| Homo sapiens ring finger protein 7 (RNF7), mRNA                                                                                         | ref | NM_014245.1 | 7657521 uORF  | Ref |
| Homo sapiens ring-box 1 (RBX1), mRNA                                                                                                    | ref | NM_014248.2 | 22091459 uORF | Ref |
| Homo sapiens solute carrier family 25, member 13 (citrin) (SLC25A13), mRNA                                                              | ref | NM_014251.1 | 7657580 uORF  | Ref |
| Homo sapiens small acidic protein (SMAP), mRNA                                                                                          | ref | NM_014267.2 | 20070245 uORF | Ref |
| Homo sapiens microtubule-associated protein, RP/EB family, member 2 (MAPRE2), mRNA                                                      | ref | NM_014268.1 | 10346134 uORF | Ref |
| Homo sapiens solute carrier family 7 (cationic amino acid transporter, y+ system), member 9 (SLC7A9), mRNA                              | ref | NM_014270.3 | 54633308 uORF | Ref |
| Homo sapiens neurochondrin (NCDN), mRNA                                                                                                 | ref | NM_014284.1 | 24307948 uORF | Ref |
| Homo sapiens frequenin homolog (Drosophila) (FREQ), mRNA                                                                                | ref | NM_014286.2 | 17738307 uORF | Ref |
| Homo sapiens pescadillo homolog 1, containing BRCT domain (zebrafish) (PES1), mRNA                                                      | ref | NM_014303.2 | 22091458 uORF | Ref |
| Homo sapiens TDP-glucose 4,6-dehydroatase (TQDS), mRNA                                                                                  | ref | NM_014305.1 | 7657640 uORF  | Ref |
| Homo sapiens RASD family, member 2 (RASD2), mRNA                                                                                        | ref | NM_014310.3 | 22027485 uORF | Ref |
| Homo sapiens kelch domain containing 2 (KLHD02), mRNA                                                                                   | ref | NM_014315.1 | 7657300 uORF  | Ref |
| Homo sapiens origin recognition complex, subunit 6 homolog-like (yeast) (ORC6L), mRNA                                                   | ref | NM_014321.2 | 32454755 uORF | Ref |
| Homo sapiens coronin, actin binding protein, 1C (CORO1C), mRNA                                                                          | ref | NM_014325.1 | 7656990 uORF  | Ref |
| Homo sapiens death-associated protein kinase 2 (DAPK2), mRNA                                                                            | ref | NM_014326.2 | 14670382 uORF | Ref |
| Homo sapiens glyceraldehyde-3-phosphate dehydrogenase, testis-specific (GAPDS), mRNA                                                    | ref | NM_014364.1 | 7657115 uORF  | Ref |
| Homo sapiens nucleostemin (NS), mRNA                                                                                                    | ref | NM_014366.1 | 7657047 uORF  | Ref |
| Homo sapiens ring finger protein 11 (RNF11), mRNA                                                                                       | ref | NM_014372.1 | 7657519 uORF  | Ref |
| Homo sapiens nerve growth factor receptor (TNFRSF16) associated protein 1 (NGFRAP1), mRNA                                               | ref | NM_014380.1 | 7657043 uORF  | Ref |
| Homo sapiens DNA segment on chromosome 4 (unique) 234 expressed sequence (D4S234E), mRNA                                                | ref | NM_014392.1 | 7657002 uORF  | Ref |
| Homo sapiens T-complex protein 1 (CESK1), mRNA                                                                                          | ref | NM_014406.4 | 51093856 uORF | Ref |
| Homo sapiens clusterin-like 1 (retinal) (CLUL1), transcript variant 1, mRNA                                                             | ref | NM_014410.4 | 40316929 uORF | Ref |
| Homo sapiens N-acylsphingosine amidohydrolase (acid ceramidase)-like (ASAH1), mRNA                                                      | ref | NM_014435.2 | 53850662 uORF | Ref |
| Homo sapiens solute carrier family 39 (zinc transporter), member 1 (SLC39A1), mRNA                                                      | ref | NM_014437.2 | 21361422 uORF | Ref |
| Homo sapiens RNA-binding protein pippin (PIPPIN), mRNA                                                                                  | ref | NM_014460.2 | 46048172 uORF | Ref |
| Homo sapiens LSM3 homolog, U6 small nuclear RNA associated (S. cerevisiae) (LSM3), mRNA                                                 | ref | NM_014463.1 | 7657314 uORF  | Ref |
| Homo sapiens teklin 2 (testicular) (TEKT2), mRNA                                                                                        | ref | NM_014466.2 | 16507949 uORF | Ref |
| Homo sapiens dihydriodiol dehydrogenase (dimeric) (DHDH), mRNA                                                                          | ref | NM_014475.2 | 31542505 uORF | Ref |
| Homo sapiens chromosome 20 open reading frame 10 (C20orf10), mRNA                                                                       | ref | NM_014477.2 | 40804465 uORF | Ref |
| Homo sapiens APEX nuclease (apurinic/apyrimidinic endonuclease) 2 (APEX2), nuclear gene encoding mitochondrial protein, mRNA            | ref | NM_014481.2 | 18375506 uORF | Ref |
| Homo sapiens prostaglandin D2 synthase, hematopoietic (PGDS), mRNA                                                                      | ref | NM_014485.1 | 7657456 uORF  | Ref |
| Homo sapiens ribosomal protein S6 kinase, 90kDa, polypeptide 6 (RPS6KA6), mRNA                                                          | ref | NM_014496.1 | 7657525 N/A   | Ref |
| Homo sapiens zinc finger protein 232 (ZNF232), mRNA                                                                                     | ref | NM_014519.2 | 37574600 uORF | Ref |
| Homo sapiens hypothetical protein 384D8.6 (384D8-2), mRNA                                                                               | ref | NM_014551.3 | 34303963 uORF | Ref |
| Homo sapiens transcription factor CP2-like 1 (TFCP2L1), mRNA                                                                            | ref | NM_014553.1 | 7657298 uORF  | Ref |
| Homo sapiens ADP-ribosylation factor GTPase activating protein 3 (ARFGAP3), mRNA                                                        | ref | NM_014570.2 | 20070254 uORF | Ref |
| Homo sapiens hairy/enhancer-of-split related with YRPW motif-like (HEYL), mRNA                                                          | ref | NM_014571.2 | 19923414 uORF | Ref |
| Homo sapiens LIM and cysteine-rich domains 1 (LMOD1), mRNA                                                                              | ref | NM_014583.2 | 14277673 uORF | Ref |
| Homo sapiens zinc ribbon domain containing, 1 (ZNRD1), mRNA                                                                             | ref | NM_014596.3 | 21361608 uORF | Ref |
| Homo sapiens expressed in T-cells and eosinophils in atopic dermatitis (ETEA), mRNA                                                     | ref | NM_014613.1 | 24797105 uORF | Ref |
| Homo sapiens vestigial like 4 (Drosophila) (VGLL4), mRNA                                                                                | ref | NM_014667.1 | 42734311 uORF | Ref |
| Homo sapiens KIAA0103 (KIAA0103), mRNA                                                                                                  | ref | NM_014673.2 | 31543016 uORF | Ref |
| Homo sapiens homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1 (HERPUD1), mRNA             | ref | NM_014685.1 | 7661869 uORF  | Ref |
| Homo sapiens KIAA0408 (KIAA0408), mRNA                                                                                                  | ref | NM_014702.1 | 7662095 uORF  | Ref |
| Homo sapiens lysosomal-associated protein transmembrane 4 alpha (LAPTM4A), mRNA                                                         | ref | NM_014713.2 | 13518238 uORF | Ref |
| Homo sapiens KIAA0102 gene product (KIAA0102), mRNA                                                                                     | ref | NM_014752.1 | 7661907 uORF  | Ref |
| Homo sapiens phytanoyl-CoA hydroxylase interacting protein (PHYHIP), mRNA                                                               | ref | NM_014759.2 | 41281475 uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein L19 (MRPL19), nuclear gene encoding mitochondrial protein, mRNA                            | ref | NM_014763.2 | 21735600 uORF | Ref |
| Homo sapiens DAZ associated protein 2 (DAZAP2), mRNA                                                                                    | ref | NM_014764.1 | 7661885 uORF  | Ref |
| Homo sapiens translocase of outer mitochondrial membrane 20 homolog (yeast) (TOMM20), mRNA                                              | ref | NM_014765.1 | 7657256 uORF  | Ref |
| Homo sapiens KIAA0494 gene product (KIAA0494), mRNA                                                                                     | ref | NM_014774.1 | 7662159 uORF  | Ref |
| Homo sapiens Jak and microtubule interacting protein 2 (KIAA0555), mRNA                                                                 | ref | NM_014790.3 | 45238581 uORF | Ref |
| Homo sapiens thyroid hormone receptor associated protein 4 (THRAP4), mRNA                                                               | ref | NM_014815.2 | 41281495 uORF | Ref |
| Homo sapiens Rho-related BTB domain containing 1 (RHOBTB1), transcript variant 1, mRNA                                                  | ref | NM_014836.3 | 38201615 uORF | Ref |
| Homo sapiens family with sequence similarity 20, member B (FAM20B), mRNA                                                                | ref | NM_014864.2 | 41281529 uORF | Ref |
| Homo sapiens ring finger protein 10 (RNF10), mRNA                                                                                       | ref | NM_014868.1 | 7662652 uORF  | Ref |
| Homo sapiens zinc finger and BTB domain containing 5 (ZBTB5), mRNA                                                                      | ref | NM_014872.1 | 7662073 uORF  | Ref |
| Homo sapiens KIAA0063 gene product (KIAA0063), mRNA                                                                                     | ref | NM_014876.1 | 7661887 uORF  | Ref |
| Homo sapiens KIAA0020 gene product (KIAA0020), mRNA                                                                                     | ref | NM_014878.2 | 20149614 uORF | Ref |
| Homo sapiens PDGFA associated protein 1 (PDAP1), mRNA                                                                                   | ref | NM_014891.1 | 7657440 uORF  | Ref |
| Homo sapiens Rho-related BTB domain containing 3 (RHOBTB3), mRNA                                                                        | ref | NM_014899.2 | 41281538 uORF | Ref |
| Homo sapiens intestinal cell kinase (ICK), mRNA                                                                                         | ref | NM_014920.1 | 7662387 N/A   | Ref |
| Homo sapiens paternally expressed 10 (PEG10), mRNA                                                                                      | ref | NM_015068.1 | 14149662 uORF | Ref |
| Homo sapiens microtubule associated serine/threonine kinase 2 (MAST2), mRNA                                                             | ref | NM_015112.1 | 14149670 N/A  | Ref |
| Homo sapiens RaiGDS-like gene (RGL), mRNA                                                                                               | ref | NM_015149.2 | 20127535 uORF | Ref |
| Homo sapiens activity-regulated cytoskeleton-associated protein (ARC), mRNA                                                             | ref | NM_015193.1 | 8567328 uORF  | Ref |
| Homo sapiens block of proliferation 1 (BOP1), mRNA                                                                                      | ref | NM_015201.3 | 40353770 uORF | Ref |
| Homo sapiens mahogunin, ring finger 1 (MGRN1), mRNA                                                                                     | ref | NM_015246.1 | 44917607 uORF | Ref |
| Homo sapiens vacuolar protein sorting 39 (yeast) (VPS39), mRNA                                                                          | ref | NM_015289.2 | 54234023 uORF | Ref |
| Homo sapiens KIAA0073 protein (KIAA0073), mRNA                                                                                          | ref | NM_015342.1 | 24308048 uORF | Ref |
| Homo sapiens dullard homolog (Xenopus laevis) (DULLARD), mRNA                                                                           | ref | NM_015343.1 | 7661721 uORF  | Ref |
| Homo sapiens breast cancer metastasis-suppressor 1 (BRMS1), mRNA                                                                        | ref | NM_015399.1 | 17530784 uORF | Ref |
| Homo sapiens abhydrolase domain containing 14A (ABHD14A), mRNA                                                                          | ref | NM_015407.3 | 34147328 uORF | Ref |
| Homo sapiens ribosomal protein L38 (RPL38), transcript variant 2, mRNA                                                                  | ref | NM_015414.2 | 16117793 uORF | Ref |
| Homo sapiens chromosome 20 open reading frame 28 (C20orf28), mRNA                                                                       | ref | NM_015417.2 | 21359899 uORF | Ref |
| Homo sapiens aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase (AASDHPPT), mRNA                                   | ref | NM_015423.2 | 20357567 uORF | Ref |
| Homo sapiens NICE-3 protein (NICE-3), mRNA                                                                                              | ref | NM_015449.1 | 14149687 uORF | Ref |
| Homo sapiens GCIP-interacting protein p29 (P29), mRNA                                                                                   | ref | NM_015484.1 | 7661635 uORF  | Ref |
| Homo sapiens myofibrillogenesis regulator 1 (MR-1), mRNA                                                                                | ref | NM_015488.1 | 21703347 uORF | Ref |
| Homo sapiens DKFZP434H132 protein (DKFZP434H132), mRNA                                                                                  | ref | NM_015492.2 | 19923425 uORF | Ref |
| Homo sapiens DKFZP566O084 protein (DKFZP566O084), mRNA                                                                                  | ref | NM_015510.2 | 20149618 uORF | Ref |
| Homo sapiens polymerase (DNA-directed), delta interacting protein 2 (POLDIP2), mRNA                                                     | ref | NM_015584.2 | 30089946 uORF | Ref |
| Homo sapiens DKFZP434J154 protein (DKFZP434J154), mRNA                                                                                  | ref | NM_015610.1 | 7661579 uORF  | Ref |
| Homo sapiens PAL-1 mRNA-binding protein (PAL-RBP1), mRNA                                                                                | ref | NM_015640.1 | 7661625 uORF  | Ref |
| Homo sapiens RAP1B, member of RAS oncogene family (RAP1B), mRNA                                                                         | ref | NM_015646.1 | 7661677 uORF  | Ref |
| Homo sapiens hypothetical protein CGI-57 (CGI-57), mRNA                                                                                 | ref | NM_015680.2 | 20149622 uORF | Ref |
| Homo sapiens serine/threonine kinase 36 (fused homolog, Drosophila) (STK36), mRNA                                                       | ref | NM_015690.2 | 34222107 uORF | Ref |
| Homo sapiens glutathione peroxidase 7 (GPX7), mRNA                                                                                      | ref | NM_015696.2 | 15618996 uORF | Ref |
| Homo sapiens T54 protein (T54), mRNA                                                                                                    | ref | NM_015698.2 | 15811781 uORF | Ref |
| Homo sapiens tachykinin receptor 1 (TACR1), transcript variant short, mRNA                                                              | ref | NM_015727.1 | 7669545 uORF  | Ref |
| Homo sapiens fibroblast growth factor receptor 1 (fms-related tyrosine kinase 2, Pfeiffer syndrome) (FGFR1), transcript variant 2, mRNA | ref | NM_015850.2 | 13186250 N/A  | Ref |
| Homo sapiens peroxisome proliferative activated receptor, gamma (PPARG), transcript variant 2, mRNA                                     | ref | NM_015869.2 | 20336228 uORF | Ref |
| Homo sapiens zinc finger protein (ZT86), mRNA                                                                                           | ref | NM_015871.2 | 21359908 uORF | Ref |
| Homo sapiens ornithine decarboxylase antizyme inhibitor (OAZIN), mRNA                                                                   | ref | NM_015878.2 | 21361582 uORF | Ref |
| Homo sapiens stathmin-like 3 (STMN3), mRNA                                                                                              | ref | NM_015894.2 | 14670374 uORF | Ref |
| Homo sapiens geminin, DNA replication inhibitor (GMNN), mRNA                                                                            | ref | NM_015895.2 | 20127542 uORF | Ref |
| Homo sapiens RNase MRP/RNase P protein-like (POPS), mRNA                                                                                | ref | NM_015918.2 | 20270248 uORF | Ref |
| Homo sapiens putative secreted protein ZSIG11 (ZSIG11), mRNA                                                                            | ref | NM_015926.2 | 20127549 uORF | Ref |
| Homo sapiens hypothetical protein HSPC016 (HSPC016), mRNA                                                                               | ref | NM_015933.1 | 7705430 uORF  | Ref |
| Homo sapiens CGI-06 protein (LOC51604), mRNA                                                                                            | ref | NM_015937.1 | 7706257 uORF  | Ref |
| Homo sapiens CGI-07 protein (CGI-07), mRNA                                                                                              | ref | NM_015938.2 | 19923795 uORF | Ref |

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| Homo sapiens CGI-09 protein (CGI-09), mRNA                                                                                         | ref | NM.015939.2 | 19923474 | uORF | Ref |
| Homo sapiens CGI-14 protein (CGI-14), mRNA                                                                                         | ref | NM.015944.2 | 21361512 | uORF | Ref |
| Homo sapiens solute carrier family 35, member B3 (SLC35B3), mRNA                                                                   | ref | NM.015948.2 | 21361502 | uORF | Ref |
| Homo sapiens C21orf19-like protein (CGI-27), mRNA                                                                                  | ref | NM.015955.2 | 20127543 | uORF | Ref |
| Homo sapiens thioredoxin-related transmembrane protein 2 (TMX2), mRNA                                                              | ref | NM.015959.1 | 7705725  | uORF | Ref |
| Homo sapiens THAP domain containing 4 (THAP4), mRNA                                                                                | ref | NM.015963.4 | 47059038 | uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein S7 (MRPS7), nuclear gene encoding mitochondrial protein, mRNA                         | ref | NM.015971.2 | 16554617 | uORF | Ref |
| Homo sapiens galanin-related peptide (LOC51083), mRNA                                                                              | ref | NM.015973.1 | 7705741  | uORF | Ref |
| Homo sapiens TAF9-like RNA polymerase II, TATA box binding protein (TBP)-associated factor, 31kDa (TAF9L), mRNA                    | ref | NM.015975.3 | 21166377 | uORF | Ref |
| Homo sapiens TNN3 interacting kinase (TNNI3K), mRNA                                                                                | ref | NM.015978.1 | 7705747  | N/A  | Ref |
| Homo sapiens heme binding protein 1 (HEBP1), mRNA                                                                                  | ref | NM.015987.2 | 20336760 | uORF | Ref |
| Homo sapiens complement component 1, q subcomponent, alpha polypeptide (C1QA), mRNA                                                | ref | NM.015991.1 | 7705752  | uORF | Ref |
| Homo sapiens ATPase, H+ transporting, lysosomal 34kDa, V1 subunit D (ATP9V1D), mRNA                                                | ref | NM.015994.2 | 19913437 | uORF | Ref |
| Homo sapiens tRNA nucleotidyl transferase, CCA-adding, 1 (TRNT1), mRNA                                                             | ref | NM.016000.2 | 20070270 | uORF | Ref |
| Homo sapiens comparative gene identification 58 (CGI58), mRNA                                                                      | ref | NM.016006.1 | 7705770  | uORF | Ref |
| Homo sapiens SH3-domain GRB2-like endophilin B1 (SH3GLB1), mRNA                                                                    | ref | NM.016009.2 | 21359904 | uORF | Ref |
| Homo sapiens NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 1 (NDUFAF1), mRNA                                 | ref | NM.016013.2 | 49574509 | uORF | Ref |
| Homo sapiens CGI-69 protein (CGI-69), mRNA                                                                                         | ref | NM.016016.1 | 7706305  | uORF | Ref |
| Homo sapiens DORA reverse strand protein 1 (DREV1), mRNA                                                                           | ref | NM.016025.2 | 19923448 | uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein S2 (MRPS2), nuclear gene encoding mitochondrial protein, mRNA                         | ref | NM.016034.2 | 16554605 | uORF | Ref |
| Homo sapiens CGI-101 protein (F-LAN-1), mRNA                                                                                       | ref | NM.016041.1 | 7705603  | uORF | Ref |
| Homo sapiens comparative gene identification transcript 112 (CGI-112), mRNA                                                        | ref | NM.016049.1 | 7705615  | uORF | Ref |
| Homo sapiens CGI-115 protein (CGI-115), mRNA                                                                                       | ref | NM.016052.1 | 7705619  | uORF | Ref |
| Homo sapiens coatomer protein complex, subunit zeta 1 (COPZ1), mRNA                                                                | ref | NM.016057.1 | 7706336  | uORF | Ref |
| Homo sapiens CGI-121 protein (CGI-121), mRNA                                                                                       | ref | NM.016058.1 | 7705589  | uORF | Ref |
| Homo sapiens yippee protein (CGI-127), mRNA                                                                                        | ref | NM.016061.1 | 7706340  | uORF | Ref |
| Homo sapiens CGI-128 protein (CGI-128), mRNA                                                                                       | ref | NM.016062.1 | 7706342  | uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein S16 (MRPS16), nuclear gene encoding mitochondrial protein, mRNA                       | ref | NM.016065.2 | 16554612 | uORF | Ref |
| Homo sapiens CGI-141 protein (CGI-141), mRNA                                                                                       | ref | NM.016072.2 | 19923443 | uORF | Ref |
| Homo sapiens hepatoma-derived growth factor, related protein 3 (HDGFRP3), mRNA                                                     | ref | NM.016073.2 | 21359902 | uORF | Ref |
| Homo sapiens CGI-143 protein (CGI-143), mRNA                                                                                       | ref | NM.016074.1 | 7705637  | uORF | Ref |
| Homo sapiens CGI-147 protein (CGI-147), mRNA                                                                                       | ref | NM.016077.1 | 7706350  | uORF | Ref |
| Homo sapiens neuroendocrine differentiation factor (NEDF), mRNA                                                                    | ref | NM.016079.1 | 7706352  | uORF | Ref |
| Homo sapiens eukaryotic translation initiation factor 3, subunit 6 interacting protein (EIF3S6IP), mRNA                            | ref | NM.016091.1 | 7705432  | uORF | Ref |
| Homo sapiens ribosomal protein L26-like 1 (RPL26L1), mRNA                                                                          | ref | NM.016093.2 | 17017971 | uORF | Ref |
| Homo sapiens tripartite motif-containing 17 (TRIM17), mRNA                                                                         | ref | NM.016102.1 | 7705824  | uORF | Ref |
| Homo sapiens GTP-binding protein Sara (LOC51128), mRNA                                                                             | ref | NM.016103.1 | 7705826  | uORF | Ref |
| Homo sapiens ets variant gene 7 (TEL2 oncogene) (ETV7), mRNA                                                                       | ref | NM.016135.1 | 7706730  | uORF | Ref |
| Homo sapiens coiled-coil-helix-coiled-coil-helix domain containing 2 (CHCHD2), mRNA                                                | ref | NM.016139.2 | 32307179 | uORF | Ref |
| Homo sapiens COMM domain containing 10 (COMMD10), mRNA                                                                             | ref | NM.016144.2 | 20070278 | uORF | Ref |
| Homo sapiens PTD008 protein (PTD008), mRNA                                                                                         | ref | NM.016145.1 | 7706664  | uORF | Ref |
| Homo sapiens trafficking protein particle complex 4 (TRAPPC4), mRNA                                                                | ref | NM.016146.1 | 7706666  | uORF | Ref |
| Homo sapiens ankyrin repeat and SOCS box-containing 2 (ASB2), mRNA                                                                 | ref | NM.016150.3 | 22208962 | uORF | Ref |
| Homo sapiens hematological and neurological expressed 1 (HN1), mRNA                                                                | ref | NM.016185.1 | 7705876  | uORF | Ref |
| Homo sapiens serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 10 (SERPINA10), mRNA | ref | NM.016186.1 | 7705878  | uORF | Ref |
| Homo sapiens LSM8 homolog, U6 small nuclear RNA associated (S. cerevisiae) (LSM8), mRNA                                            | ref | NM.016200.2 | 21314665 | uORF | Ref |
| Homo sapiens growth differentiation factor 2 (GDF2), mRNA                                                                          | ref | NM.016204.1 | 7705307  | uORF | Ref |
| Homo sapiens cleavage and polyadenylation specific factor 3, 73kDa (CPSF3), mRNA                                                   | ref | NM.016207.2 | 21314666 | uORF | Ref |
| Homo sapiens vacuolar protein sorting 28 (yeast) (VPS28), mRNA                                                                     | ref | NM.016208.1 | 7705884  | uORF | Ref |
| Homo sapiens g20 protein (LOC51161), mRNA                                                                                          | ref | NM.016210.1 | 7705886  | uORF | Ref |
| Homo sapiens NADPH cytochrome B5 oxidoreductase (NCOBOR), mRNA                                                                     | ref | NM.016230.2 | 21314659 | uORF | Ref |
| Homo sapiens acyl-CoA synthetase long-chain family member 5 (ACSL5), transcript variant 1, mRNA                                    | ref | NM.016234.3 | 42794755 | uORF | Ref |
| Homo sapiens lymphoid enhancer-binding factor 1 (LEF1), mRNA                                                                       | ref | NM.016269.2 | 19923451 | uORF | Ref |
| Homo sapiens ring finger protein 138 (RNF138), transcript variant 1, mRNA                                                          | ref | NM.016271.3 | 38045932 | uORF | Ref |
| Homo sapiens adenylylate kinase 3 like 1 (AK3L1), mRNA                                                                             | ref | NM.016282.2 | 19923436 | uORF | Ref |
| Homo sapiens TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 32kDa (TAF9), transcript variant 2, mRNA    | ref | NM.016283.2 | 21166376 | uORF | Ref |
| Homo sapiens dicarbonyl/L-xylulose reductase (DCXR), mRNA                                                                          | ref | NM.016286.1 | 7705924  | uORF | Ref |
| Homo sapiens MO25 protein (MO25), mRNA                                                                                             | ref | NM.016289.2 | 19745179 | uORF | Ref |
| Homo sapiens protein x 0004 (MGC14560), mRNA                                                                                       | ref | NM.016301.2 | 21361522 | uORF | Ref |
| Homo sapiens cereblin (CRBN), mRNA                                                                                                 | ref | NM.016302.2 | 39545578 | uORF | Ref |
| Homo sapiens pp21 homolog (LOC51186), mRNA                                                                                         | ref | NM.016303.1 | 10047099 | uORF | Ref |
| Homo sapiens chromosome 15 open reading frame 15 (C15orf15), mRNA                                                                  | ref | NM.016304.2 | 18491027 | uORF | Ref |
| Homo sapiens synovial sarcoma translocation gene on chromosome 18-like 2 (SS18L2), mRNA                                            | ref | NM.016305.1 | 10047103 | uORF | Ref |
| Homo sapiens DnaJ (Hsp40) homolog, subfamily B, member 11 (DNAJB11), mRNA                                                          | ref | NM.016306.2 | 20070285 | uORF | Ref |
| Homo sapiens polymerase (RNA) III (DNA directed) polypeptide K, 12.3 kDa (POLR3K), mRNA                                            | ref | NM.016310.2 | 14589957 | uORF | Ref |
| Homo sapiens COP9 constitutive photomorphogenic homolog subunit 7A (Arabidopsis) (COPSTA), mRNA                                    | ref | NM.016319.1 | 7705329  | uORF | Ref |
| Homo sapiens Rhesus blood group, C glycoprotein (RHCG), mRNA                                                                       | ref | NM.016321.1 | 7706682  | uORF | Ref |
| Homo sapiens RAB14, member RAS oncogene family (RAB14), mRNA                                                                       | ref | NM.016322.2 | 19923482 | uORF | Ref |
| Homo sapiens importin 11 (IPO11), mRNA                                                                                             | ref | NM.016338.3 | 39725949 | uORF | Ref |
| Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 47 (DDX47), transcript variant 1, mRNA                                         | ref | NM.016355.3 | 41327774 | uORF | Ref |
| Homo sapiens clone HQ0477 PRO0477p (LOC51204), mRNA                                                                                | ref | NM.016360.1 | 7705952  | uORF | Ref |
| Homo sapiens lysophosphatidic acid phosphatase (ACP6), mRNA                                                                        | ref | NM.016361.2 | 21359910 | uORF | Ref |
| Homo sapiens dual specificity phosphatase 13 (DUSP13), mRNA                                                                        | ref | NM.016364.2 | 20149630 | uORF | Ref |
| Homo sapiens hydroxysteroid (17-beta) dehydrogenase 7 (HSD17B7), mRNA                                                              | ref | NM.016371.1 | 7705420  | uORF | Ref |
| Homo sapiens T cell receptor interacting molecule (TCRIM), mRNA                                                                    | ref | NM.016388.2 | 54607136 | uORF | Ref |
| Homo sapiens hypothetical protein HSPC138 (HSPC138), mRNA                                                                          | ref | NM.016401.2 | 21361534 | uORF | Ref |
| Homo sapiens hypothetical protein HSPC152 (HSPC152), mRNA                                                                          | ref | NM.016404.1 | 7705476  | uORF | Ref |
| Homo sapiens ring finger protein 141 (RNF141), mRNA                                                                                | ref | NM.016422.2 | 21361492 | uORF | Ref |
| Homo sapiens vaccinia related kinase 3 (VRK3), mRNA                                                                                | ref | NM.016440.1 | 7705992  | N/A  | Ref |
| Homo sapiens hypothetical protein HSPC194 (HSPC194), mRNA                                                                          | ref | NM.016462.1 | 7705500  | uORF | Ref |
| Homo sapiens hypothetical protein HSPC196 (HSPC196), mRNA                                                                          | ref | NM.016464.1 | 7705504  | uORF | Ref |
| Homo sapiens hypothetical protein MG041816 (MG041816), mRNA                                                                        | ref | NM.016466.4 | 37059801 | uORF | Ref |
| Homo sapiens hypothetical protein LOC51240 (LOC51240), mRNA                                                                        | ref | NM.016467.1 | 7706006  | uORF | Ref |
| Homo sapiens chromosome 14 open reading frame 100 (C14orf100), mRNA                                                                | ref | NM.016475.2 | 21361536 | uORF | Ref |
| Homo sapiens PHD finger protein 7 (PHF7), mRNA                                                                                     | ref | NM.016483.3 | 21361542 | uORF | Ref |
| Homo sapiens hypothetical protein LOC51248 (LOC51248), mRNA                                                                        | ref | NM.016484.1 | 7706024  | uORF | Ref |
| Homo sapiens chromosome 6 open reading frame 55 (C6orf55), mRNA                                                                    | ref | NM.016485.3 | 21361740 | uORF | Ref |
| Homo sapiens HSPC230 gene (HSPC230), mRNA                                                                                          | ref | NM.016487.1 | 7706028  | uORF | Ref |
| Homo sapiens hypothetical protein LOC51256 (LOC51256), mRNA                                                                        | ref | NM.016495.1 | 7706040  | uORF | Ref |
| Homo sapiens putative S1 RNA binding domain protein (PS1D), mRNA                                                                   | ref | NM.016505.2 | 21361575 | uORF | Ref |
| Homo sapiens CDC2-related protein kinase 7 (CRK7), mRNA                                                                            | ref | NM.016507.1 | 7706548  | N/A  | Ref |
| Homo sapiens cyclin-dependent kinase-like 3 (CDKL3), mRNA                                                                          | ref | NM.016508.2 | 17017984 | uORF | Ref |
| Homo sapiens C-type lectin-like receptor-1 (CLEC1), mRNA                                                                           | ref | NM.016511.1 | 7706062  | uORF | Ref |
| Homo sapiens chromosome 9 open reading frame 78 (C9orf78), mRNA                                                                    | ref | NM.016520.1 | 7706556  | uORF | Ref |
| Homo sapiens ubiquitin associated protein 1 (UBAP1), mRNA                                                                          | ref | NM.016525.3 | 22212941 | uORF | Ref |
| Homo sapiens blocked early in transport 1 homolog (S. cerevisiae) like (BET1L), mRNA                                               | ref | NM.016526.3 | 34365798 | uORF | Ref |
| Homo sapiens RAB8B, member RAS oncogene family (RAB8B), mRNA                                                                       | ref | NM.016530.1 | 7706562  | uORF | Ref |
| Homo sapiens HSPC189 protein (HSPC189), mRNA                                                                                       | ref | NM.016535.1 | 7705494  | uORF | Ref |
| Homo sapiens guanine nucleotide binding protein (G protein), gamma 13 (GNNG13), mRNA                                               | ref | NM.016541.1 | 7706566  | uORF | Ref |
| Homo sapiens bifunctional apoptosis regulator (BFAR), mRNA                                                                         | ref | NM.016561.1 | 7706090  | uORF | Ref |
| Homo sapiens BM88 antigen (BM88), mRNA                                                                                             | ref | NM.016564.1 | 7706096  | uORF | Ref |
| Homo sapiens G-protein coupled receptor SALPR (SALPR), mRNA                                                                        | ref | NM.016568.1 | 7706102  | uORF | Ref |
| Homo sapiens guanosine monophosphate reductase 2 (GMPR2), mRNA                                                                     | ref | NM.016576.2 | 20070275 | uORF | Ref |
| Homo sapiens interleukin 23, alpha subunit p19 (IL23A), mRNA                                                                       | ref | NM.016584.2 | 28144902 | uORF | Ref |
| Homo sapiens myozenin 2 (MYOZZ2), mRNA                                                                                             | ref | NM.016599.2 | 19923488 | uORF | Ref |
| Homo sapiens chromosome 5 open reading frame 19 (C5orf19), mRNA                                                                    | ref | NM.016606.2 | 42478205 | uORF | Ref |
| Homo sapiens ALEX3 protein (ALEX3), mRNA                                                                                           | ref | NM.016607.1 | 7705273  | uORF | Ref |
| Homo sapiens hypothetical protein DKFZp434L142 (DKFZp434L142), mRNA                                                                | ref | NM.016613.3 | 22095376 | uORF | Ref |
| Homo sapiens TRAF and TNF receptor-associated protein (AD022), mRNA                                                                | ref | NM.016614.1 | 7705261  | uORF | Ref |
| Homo sapiens thioredoxin domain containing 3 (spermatzoa) (TXND3), mRNA                                                            | ref | NM.016616.2 | 31543835 | uORF | Ref |
| Homo sapiens hypothetical protein LOC51315 (LOC51315), mRNA                                                                        | ref | NM.016618.1 | 7706155  | uORF | Ref |
| Homo sapiens placenta-specific 8 (PLAC8), mRNA                                                                                     | ref | NM.016619.1 | 7706157  | uORF | Ref |
| Homo sapiens acid cluster protein 33 (ACP33), mRNA                                                                                 | ref | NM.016630.2 | 13699804 | uORF | Ref |
| Homo sapiens ADP-ribosylation-like factor 6 interacting protein 4 (ARL6IP4), mRNA                                                  | ref | NM.016638.1 | 7706183  | uORF | Ref |
| Homo sapiens membrane interacting protein of RGS16 (MIR16), mRNA                                                                   | ref | NM.016641.2 | 19923804 | uORF | Ref |
| Homo sapiens LIM domain kinase 1 (LMK1), transcript variant d.LMK, mRNA                                                            | ref | NM.016735.1 | 8051614  | N/A  | Ref |
| Homo sapiens v-crk sarcoma virus CT10 oncogene homolog (avian) (CRK), transcript variant II, mRNA                                  | ref | NM.016823.2 | 41327711 | uORF | Ref |
| Homo sapiens RNA binding motif, single stranded interacting protein 1 (RBMS1), transcript variant YC1, mRNA                        | ref | NM.016836.1 | 8400717  | uORF | Ref |
| Homo sapiens syntaxin 18 (STX18), mRNA                                                                                             | ref | NM.016930.1 | 8394375  | uORF | Ref |
| Homo sapiens chromosome 21 open reading frame 6 (C21orf6), mRNA                                                                    | ref | NM.016940.1 | 8393017  | uORF | Ref |
| Homo sapiens survival of motor neuron 2, centromeric (SMN2), transcript variant d, mRNA                                            | ref | NM.017411.2 | 13259525 | uORF | Ref |
| Homo sapiens chromatin accessibility complex 1 (CHRAC1), mRNA                                                                      | ref | NM.017444.2 | 19923488 | uORF | Ref |
| Homo sapiens WD repeat domain 1 (WDR1), transcript variant 1, mRNA                                                                 | ref | NM.017491.3 | 53729350 | uORF | Ref |
| Homo sapiens RNA-binding region (RNP1, RRM) containing 1 (RNPC1), mRNA                                                             | ref | NM.017495.3 | 21361847 | uORF | Ref |
| Homo sapiens surfeit 2 (SURF2), mRNA                                                                                               | ref | NM.017503.2 | 19557686 | uORF | Ref |

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| Homo sapiens olfactory receptor, family 7, subfamily A, member 5 (OR7A5), mRNA                                     | ref | NM.017506.1 | 9506798  | uORF | Ref |
| Homo sapiens solute carrier family 35, member F2 (SLC35F2), mRNA                                                   | ref | NM.017515.3 | 34222328 | uORF | Ref |
| Homo sapiens leptin receptor gene-related protein (OBRGPR), mRNA                                                   | ref | NM.017526.1 | 8923784  | uORF | Ref |
| Homo sapiens MAP kinase-interacting serine/threonine kinase 2 (MKNK2), mRNA                                        | ref | NM.017572.1 | 9994196  | N/A  | Ref |
| Homo sapiens proprotein convertase subtilisin/kexin type 4 (PCSK4), mRNA                                           | ref | NM.017573.2 | 40316916 | N/A  | Ref |
| Homo sapiens WD repeat domain 5 (WDR5), transcript variant 1, mRNA                                                 | ref | NM.017588.1 | 16554626 | uORF | Ref |
| Homo sapiens BMP2 inducible kinase (BMP2K), mRNA                                                                   | ref | NM.017593.2 | 17738310 | N/A  | Ref |
| Homo sapiens DIRAS family, GTP-binding RAS-like 2 (DIRAS2), mRNA                                                   | ref | NM.017594.2 | 21703366 | uORF | Ref |
| Homo sapiens I-kappa-B-interacting Ras-like protein 2 (KBRAS2), mRNA                                               | ref | NM.017595.2 | 19072793 | uORF | Ref |
| Homo sapiens hypothetical protein DKFZp434E2220 (DKFZp434E2220), mRNA                                              | ref | NM.017612.1 | 8922133  | uORF | Ref |
| Homo sapiens betaine-homocysteine methyltransferase 2 (BHMT2), mRNA                                                | ref | NM.017614.3 | 20544175 | uORF | Ref |
| Homo sapiens potassium channel tetramerisation domain containing 9 (KCTD9), mRNA                                   | ref | NM.017634.1 | 8923040  | uORF | Ref |
| Homo sapiens nudE nuclear distribution gene E homolog 1 (A. nidulans) (NDE1), mRNA                                 | ref | NM.017668.1 | 8923108  | uORF | Ref |
| Homo sapiens aprataxin (APTX), mRNA                                                                                | ref | NM.017692.1 | 8923155  | uORF | Ref |
| Homo sapiens fetal globin-inducing factor (FGIF), mRNA                                                             | ref | NM.017704.2 | 41350197 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ20195 (FLJ20195), mRNA                                                        | ref | NM.017706.2 | 19923505 | uORF | Ref |
| Homo sapiens SNF-1 related kinase (SNRK), mRNA                                                                     | ref | NM.017719.2 | 21361642 | N/A  | Ref |
| Homo sapiens leucine rich repeat (in FLJ) interacting protein 2 (LRRFIP2), mRNA                                    | ref | NM.017724.1 | 8923223  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ20254 (FLJ20254), mRNA                                                        | ref | NM.017727.2 | 19923808 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ20364 (FLJ20364), mRNA                                                        | ref | NM.017785.2 | 21361652 | uORF | Ref |
| Homo sapiens nuclear RNA export factor 2 (NXF2), transcript variant 1, mRNA                                        | ref | NM.017809.2 | 14277693 | uORF | Ref |
| Homo sapiens ubiquitin-conjugating enzyme E2R 2 (UBE2R2), mRNA                                                     | ref | NM.017811.2 | 22212942 | uORF | Ref |
| Homo sapiens coiled-coil-helix-coiled-coil-helix domain containing 3 (CHCHD3), mRNA                                | ref | NM.017812.1 | 8923388  | uORF | Ref |
| Homo sapiens RAB20, member RAS oncogene family (RAB20), mRNA                                                       | ref | NM.017817.1 | 8923400  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ20445 (FLJ20445), mRNA                                                        | ref | NM.017824.2 | 19923500 | uORF | Ref |
| Homo sapiens ovarian carcinoma immunoreactive antigen (OCIA), mRNA                                                 | ref | NM.017830.1 | 8923426  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ20477 (FLJ20477), mRNA                                                        | ref | NM.017837.2 | 21361770 | uORF | Ref |
| Homo sapiens nucleolar protein family A, member 2 (H/ACA small nucleolar RNPs) (NOLA2), mRNA                       | ref | NM.017838.2 | 15011919 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ20481 (FLJ20481), mRNA                                                        | ref | NM.017839.3 | 47106078 | uORF | Ref |
| Homo sapiens tRNA selenocysteine associated protein (SECP43), mRNA                                                 | ref | NM.017846.3 | 37059777 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ20506 (FLJ20506), mRNA                                                        | ref | NM.017848.1 | 8923463  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ20511 (FLJ20511), mRNA                                                        | ref | NM.017853.1 | 8923474  | uORF | Ref |
| Homo sapiens APin protein (APIN), mRNA                                                                             | ref | NM.017855.2 | 21361654 | uORF | Ref |
| Homo sapiens phosphatidylinositol glycan, class X (PIGX), mRNA                                                     | ref | NM.017861.1 | 23680884 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ20533 (FLJ20533), mRNA                                                        | ref | NM.017866.3 | 34147497 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ20534 (FLJ20534), mRNA                                                        | ref | NM.017867.1 | 8923502  | uORF | Ref |
| Homo sapiens tetratricopeptide repeat domain 12 (TTC12), mRNA                                                      | ref | NM.017868.2 | 31542708 | uORF | Ref |
| Homo sapiens related to CPSF subunits 68 kDa (RC68), mRNA                                                          | ref | NM.017871.3 | 39725639 | uORF | Ref |
| Homo sapiens chromosome 2 open reading frame 18 (C2orf18), mRNA                                                    | ref | NM.017877.2 | 31542710 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ20559 (FLJ20559), mRNA                                                        | ref | NM.017881.1 | 8923529  | uORF | Ref |
| Homo sapiens ceroid-lipofuscinosis, neuronal 6, late infantile, variant (CLN6), mRNA                               | ref | NM.017882.1 | 8923531  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ20604 (FLJ20604), mRNA                                                        | ref | NM.017897.1 | 8923558  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ20618 (FLJ20618), mRNA                                                        | ref | NM.017903.2 | 31542714 | uORF | Ref |
| Homo sapiens chromosome 14 open reading frame 119 (C14orf119), mRNA                                                | ref | NM.017924.2 | 19923511 | uORF | Ref |
| Homo sapiens FK506 binding protein 14, 22 kDa (FKBP14), mRNA                                                       | ref | NM.017946.1 | 8923658  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ20758 (FLJ20758), mRNA                                                        | ref | NM.017952.2 | 21361665 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ20847 (FLJ20847), mRNA                                                        | ref | NM.017966.1 | 8923694  | uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein L20 (MRPL20), mRNA                                                    | ref | NM.017971.1 | 8922189  | uORF | Ref |
| Homo sapiens G protein-coupled receptor 172B (GPR172B), mRNA                                                       | ref | NM.017986.2 | 40254916 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ10193 (FLJ10193), mRNA                                                        | ref | NM.018019.1 | 8922272  | uORF | Ref |
| Homo sapiens evolutionarily conserved G-patch domain containing (ECGP), mRNA                                       | ref | NM.018025.2 | 21361683 | uORF | Ref |
| Homo sapiens LUC7-like (S. cerevisiae) (LUC7L), mRNA                                                               | ref | NM.018032.2 | 21359922 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ10290 (FLJ10290), mRNA                                                        | ref | NM.018047.1 | 8922327  | uORF | Ref |
| Homo sapiens pleckstrin homology domain containing, family J member 1 (PLEKHJ1), mRNA                              | ref | NM.018049.1 | 8922332  | uORF | Ref |
| Homo sapiens single stranded DNA binding protein 3 (SSBP3), mRNA                                                   | ref | NM.018070.2 | 21314683 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ10420 (FLJ10420), mRNA                                                        | ref | NM.018090.2 | 20127581 | uORF | Ref |
| Homo sapiens likely ortholog of mouse elongation protein 3 homolog (S. cerevisiae) (ELP3), mRNA                    | ref | NM.018091.2 | 21361688 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ10460 (FLJ10460), mRNA                                                        | ref | NM.018097.1 | 8922429  | uORF | Ref |
| Homo sapiens THAP domain containing, apoptosis associated protein 1 (THAP1), mRNA                                  | ref | NM.018105.1 | 8922445  | uORF | Ref |
| Homo sapiens RNA-binding region (RNP1, RRM) containing 4 (RNPC4), mRNA                                             | ref | NM.018107.2 | 21361701 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ10520 (FLJ10520), mRNA                                                        | ref | NM.018124.2 | 19923516 | uORF | Ref |
| Homo sapiens pyridoxine-5'-phosphate oxidase (PNPO), mRNA                                                          | ref | NM.018129.1 | 8922497  | uORF | Ref |
| Homo sapiens chromosome 6 open reading frame 139 (C6orf139), mRNA                                                  | ref | NM.018132.1 | 8922503  | uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein S18A (MRPS18A), nuclear gene encoding mitochondrial protein, mRNA     | ref | NM.018135.2 | 16554600 | uORF | Ref |
| Homo sapiens protein arginine N-methyltransferase 6 (PRMT6), mRNA                                                  | ref | NM.018137.1 | 8922514  | uORF | Ref |
| Homo sapiens Fas apoptotic inhibitory molecule (FAIM), mRNA                                                        | ref | NM.018147.1 | 8922535  | uORF | Ref |
| Homo sapiens anthrax toxin receptor 1 (ANTXR1), transcript variant 3, mRNA                                         | ref | NM.018153.2 | 16933552 | uORF | Ref |
| Homo sapiens ADP-ribosylation factor-like 10C (ARL10C), mRNA                                                       | ref | NM.018184.1 | 8922600  | uORF | Ref |
| Homo sapiens developmental pluripotency associated 4 (DPPA4), mRNA                                                 | ref | NM.018189.1 | 8922611  | uORF | Ref |
| Homo sapiens chromosome 14 open reading frame 114 (C14orf114), mRNA                                                | ref | NM.018199.1 | 8922630  | uORF | Ref |
| Homo sapiens high-mobility group 20A (HMG20A), mRNA                                                                | ref | NM.018200.2 | 21359925 | uORF | Ref |
| Homo sapiens parvin, alpha (PARVA), mRNA                                                                           | ref | NM.018222.2 | 19923815 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ10849 (FLJ10849), mRNA                                                        | ref | NM.018243.1 | 8922711  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ10853 (FLJ10853), mRNA                                                        | ref | NM.018246.1 | 8922717  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ10936 (FLJ10936), mRNA                                                        | ref | NM.018279.2 | 21361719 | uORF | Ref |
| Homo sapiens paraspeckle component 1 (PSPC1), mRNA                                                                 | ref | NM.018282.1 | 8922788  | uORF | Ref |
| Homo sapiens chromosome 15 open reading frame 12 (C15orf12), nuclear gene encoding mitochondrial protein, mRNA     | ref | NM.018285.1 | 8922793  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ10986 (FLJ10986), mRNA                                                        | ref | NM.018291.2 | 21361729 | uORF | Ref |
| Homo sapiens N-glycanase 1 (NGLY1), mRNA                                                                           | ref | NM.018297.2 | 21314688 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ11110 (FLJ11110), mRNA                                                        | ref | NM.018326.1 | 8922872  | uORF | Ref |
| Homo sapiens chromosome 20 open reading frame 38 (C20orf38), mRNA                                                  | ref | NM.018327.1 | 8922874  | uORF | Ref |
| Homo sapiens KIAA1598 protein (KIAA1598), mRNA                                                                     | ref | NM.018330.2 | 21314680 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ11171 (FLJ11171), mRNA                                                        | ref | NM.018348.4 | 34222354 | uORF | Ref |
| Homo sapiens acheron (FLJ11196), transcript variant 1, mRNA                                                        | ref | NM.018357.2 | 37537708 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ11259 (FLJ11259), mRNA                                                        | ref | NM.018370.1 | 8922957  | uORF | Ref |
| Homo sapiens solute carrier family 39 (zinc transporter), member 9 (SLC39A9), mRNA                                 | ref | NM.018375.1 | 8922967  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ11336 (FLJ11336), mRNA                                                        | ref | NM.018393.2 | 31377738 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ11342 (FLJ11342), mRNA                                                        | ref | NM.018394.1 | 8923000  | uORF | Ref |
| Homo sapiens gene for serine/threonine protein kinase (HSA250839), mRNA                                            | ref | NM.018401.1 | 8923753  | N/A  | Ref |
| Homo sapiens carbohydrate (chondroitin 4) sulfotransferase 11 (CHST11), mRNA                                       | ref | NM.018413.2 | 20149649 | uORF | Ref |
| Homo sapiens hypothetical protein DKFZp761P1010 (DKFZp761P1010), mRNA                                              | ref | NM.018423.1 | 8922178  | N/A  | Ref |
| Homo sapiens F-box only protein 6 (FBXO6), mRNA                                                                    | ref | NM.018438.2 | 15812191 | uORF | Ref |
| Homo sapiens hypothetical protein IMPACT (IMPACT), mRNA                                                            | ref | NM.018439.1 | 8923818  | uORF | Ref |
| Homo sapiens chromosome 6 open reading frame 35 (C6orf35), mRNA                                                    | ref | NM.018452.1 | 8922090  | uORF | Ref |
| Homo sapiens nucleolar and spindle associated protein 1 (NUSAP1), mRNA                                             | ref | NM.018454.4 | 17505233 | uORF | Ref |
| Homo sapiens DKFZp564J157 protein (DKFZP564J157), mRNA                                                             | ref | NM.018457.1 | 8922156  | uORF | Ref |
| Homo sapiens chromosome 10 open reading frame 70 (C10orf70), mRNA                                                  | ref | NM.018464.2 | 50355973 | uORF | Ref |
| Homo sapiens uncharacterized hematopoietic stem/progenitor cells protein MDS031 (MDS031), mRNA                     | ref | NM.018466.2 | 20070304 | uORF | Ref |
| Homo sapiens amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2 (ALS2CR2), mRNA             | ref | NM.018571.4 | 21359970 | uORF | Ref |
| Homo sapiens hairy and enhancer of split 6 (Drosophila) (HES6), mRNA                                               | ref | NM.018645.3 | 34147684 | uORF | Ref |
| Homo sapiens MAP/microtubule affinity-regulating kinase 1 (MARK1), mRNA                                            | ref | NM.018650.1 | 8923921  | N/A  | Ref |
| Homo sapiens vacuolar protein sorting 33B (yeast) (VPS33B), mRNA                                                   | ref | NM.018668.2 | 18105057 | uORF | Ref |
| Homo sapiens t-complex 11 (mouse) (TCP11), mRNA                                                                    | ref | NM.018679.2 | 31543802 | uORF | Ref |
| Homo sapiens zinc finger protein 313 (ZNF313), mRNA                                                                | ref | NM.018683.2 | 19923549 | uORF | Ref |
| Homo sapiens elcC homolog 1 (E. coli) (ELAC1), mRNA                                                                | ref | NM.018696.1 | 8922121  | uORF | Ref |
| Homo sapiens hypothetical protein DKFZp761H039 (DKFZp761H039), mRNA                                                | ref | NM.018711.1 | 24308166 | uORF | Ref |
| Homo sapiens mitogen-inducible gene 6 (MIG-6), mRNA                                                                | ref | NM.018948.2 | 21314673 | uORF | Ref |
| Homo sapiens chromosome 9 open reading frame 9 (C9orf9), mRNA                                                      | ref | NM.018956.2 | 19923489 | uORF | Ref |
| Homo sapiens super conserved receptor expressed in brain 3 (SREB3), mRNA                                           | ref | NM.018969.2 | 20070208 | uORF | Ref |
| Homo sapiens nucleolar protein family A, member 1 (H/ACA small nucleolar RNPs) (NOLA1), transcript variant 1, mRNA | ref | NM.018983.2 | 15011914 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ20010 (FLJ20010), mRNA                                                        | ref | NM.019021.1 | 9506646  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ10640 (FLJ10640), mRNA                                                        | ref | NM.019023.1 | 9506614  | uORF | Ref |
| Homo sapiens DNA-damage-inducible transcript 4 (DDIT4), mRNA                                                       | ref | NM.019058.1 | 9506688  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ10613 (FLJ10613), mRNA                                                        | ref | NM.019067.1 | 9506610  | uORF | Ref |
| Homo sapiens WD repeat domain 5B (WDR5B), mRNA                                                                     | ref | NM.019069.3 | 42544246 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ10432 (FLJ10432), mRNA                                                        | ref | NM.019070.1 | 9506608  | uORF | Ref |
| Homo sapiens hypothetical protein LOC55924 (LOC55924), mRNA                                                        | ref | NM.019099.1 | 9506880  | uORF | Ref |
| Homo sapiens apolipoprotein M (APOM), mRNA                                                                         | ref | NM.019101.2 | 22091451 | uORF | Ref |
| Homo sapiens hypothetical protein LOC55954 (LOC55954), mRNA                                                        | ref | NM.019103.1 | 9506882  | uORF | Ref |
| Homo sapiens immunity-related GTPase family, cinema 1 (IRGC1), mRNA                                                | ref | NM.019612.2 | 45433541 | uORF | Ref |
| Homo sapiens hypothetical protein 628 (LOC56270), mRNA                                                             | ref | NM.019613.2 | 19923554 | uORF | Ref |
| Homo sapiens gastrophilin 1 (GKN1), mRNA                                                                           | ref | NM.019617.2 | 27894363 | uORF | Ref |
| Homo sapiens candidate mediator of the p53-dependent G2 arrest (REPRIMO), mRNA                                     | ref | NM.019845.1 | 9790192  | uORF | Ref |
| Homo sapiens HMT1 hnRNP methyltransferase-like 3 (S. cerevisiae) (HRMT1L3), mRNA                                   | ref | NM.019854.2 | 21314691 | uORF | Ref |
| Homo sapiens coagulation factor VII, procoagulant component (hemophilia A) (F8), transcript variant 2, mRNA        | ref | NM.019863.1 | 10518505 | uORF | Ref |

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| Homo sapiens ERO1-like beta (S. cerevisiae) (ERO1LB), mRNA                                                                            | ref | NM,019891.1 | 9845248 uORF  | Ref |
| Homo sapiens chromosome 3 open reading frame 4 (C3orf4), mRNA                                                                         | ref | NM,019895.1 | 11096339 uORF | Ref |
| Homo sapiens immunoglobulin lambda-like polypeptide 1 (IGLL1), mRNA                                                                   | ref | NM,020070.1 | 13392927 uORF | Ref |
| Homo sapiens sphingosine kinase 2 (SPHK2), mRNA                                                                                       | ref | NM,020128.3 | 21361698 uORF | Ref |
| Homo sapiens 1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta) (AGPAT4), mRNA             | ref | NM,020133.1 | 9910391 uORF  | Ref |
| Homo sapiens oxidoreductase UCPA (LOC56898), mRNA                                                                                     | ref | NM,020139.1 | 10047131 uORF | Ref |
| Homo sapiens protein x 013 (AD-020), mRNA                                                                                             | ref | NM,020141.2 | 19923555 uORF | Ref |
| Homo sapiens NADH:ubiquinone oxidoreductase MLRQ subunit homolog (LOC59501), mRNA                                                     | ref | NM,020142.2 | 20127589 uORF | Ref |
| Homo sapiens SAR1a gene homolog 1 (S. cerevisiae) (SARA1), mRNA                                                                       | ref | NM,020150.3 | 21361614 uORF | Ref |
| Homo sapiens RAD18 homolog (S. cerevisiae) (RAD18), mRNA                                                                              | ref | NM,020165.2 | 14550404 uORF | Ref |
| Homo sapiens methylcrotonyl-Coenzyme A carboxylase 1 (alpha) (MCCO1), mRNA                                                            | ref | NM,020166.2 | 13518227 uORF | Ref |
| Homo sapiens neuromedin U receptor 2 (NMUR2), mRNA                                                                                    | ref | NM,020167.2 | 19923822 uORF | Ref |
| Homo sapiens dihydrouridine synthase 3-like (S. cerevisiae) (DUS3L), mRNA                                                             | ref | NM,020175.1 | 24308186 uORF | Ref |
| Homo sapiens dual specificity phosphatase 22 (DUSP22), mRNA                                                                           | ref | NM,020185.2 | 21314693 uORF | Ref |
| Homo sapiens DC6 protein (DC6), mRNA                                                                                                  | ref | NM,020189.1 | 9910185 uORF  | Ref |
| Homo sapiens HHGP protein (HHGP), mRNA                                                                                                | ref | NM,020200.3 | 20070367 uORF | Ref |
| Homo sapiens x 009 protein (MDS009), mRNA                                                                                             | ref | NM,020234.3 | 34222368 uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein L1 (MRPL1), nuclear gene encoding mitochondrial protein, mRNA                            | ref | NM,020236.2 | 21265083 uORF | Ref |
| Homo sapiens small protein effector 1 of Cdc42 (SPEC1), mRNA                                                                          | ref | NM,020239.2 | 12965169 uORF | Ref |
| Homo sapiens chaperone, ABC1 activity of bc1 complex like (S. pombe) (CABC1), mRNA                                                    | ref | NM,020247.3 | 34147521 uORF | Ref |
| Homo sapiens aldo-keto reductase family 1, member B10 (aldose reductase) (AKR1B10), mRNA                                              | ref | NM,020299.2 | 20127591 uORF | Ref |
| Homo sapiens hypothetical protein dJ465N24.2.1 (dJ465N24.2.1), mRNA                                                                   | ref | NM,020317.2 | 20070308 uORF | Ref |
| Homo sapiens activin A receptor, type 1B (ACVR1B), transcript variant 3, mRNA                                                         | ref | NM,020328.1 | 10862893 N/A  | Ref |
| Homo sapiens leucine zipper transcription factor-like 1 (LZTFL1), mRNA                                                                | ref | NM,020347.1 | 9966792 uORF  | Ref |
| Homo sapiens chromosome 12 open reading frame 6 (C12orf6), mRNA                                                                       | ref | NM,020367.2 | 20127593 uORF | Ref |
| Homo sapiens chromosome 12 open reading frame 4 (C12orf4), mRNA                                                                       | ref | NM,020374.2 | 22095357 uORF | Ref |
| Homo sapiens chromosome 12 open reading frame 5 (C12orf5), mRNA                                                                       | ref | NM,020375.1 | 9966848 uORF  | Ref |
| Homo sapiens patatin-like phospholipase domain containing 2 (PNPLA2), mRNA                                                            | ref | NM,020376.2 | 34147340 uORF | Ref |
| Homo sapiens chromosome 6 open reading frame 210 (C6orf210), mRNA                                                                     | ref | NM,020381.2 | 29893561 uORF | Ref |
| Homo sapiens claudin 2 (CLDN2), mRNA                                                                                                  | ref | NM,020384.1 | 9966780 uORF  | Ref |
| Homo sapiens eukaryotic translation initiation factor 5A2 (EIF5A2), mRNA                                                              | ref | NM,020390.3 | 20070114 uORF | Ref |
| Homo sapiens hypothetical nuclear factor SBB122 (LOC57117), mRNA                                                                      | ref | NM,020395.2 | 21361850 uORF | Ref |
| Homo sapiens calcium/calmodulin-dependent protein kinase ID (CAMK1D), mRNA                                                            | ref | NM,020397.1 | 9966874 N/A   | Ref |
| Homo sapiens CHMP1.5 protein (CHMP1.5), mRNA                                                                                          | ref | NM,020412.1 | 9966900 uORF  | Ref |
| Homo sapiens promethin (LOC57146), mRNA                                                                                               | ref | NM,020422.2 | 21361853 uORF | Ref |
| Homo sapiens hypothetical protein A-211C6.1 (LOC57148), mRNA                                                                          | ref | NM,020424.2 | 19923825 uORF | Ref |
| Homo sapiens chromosome 6 open reading frame 162 (C6orf162), mRNA                                                                     | ref | NM,020425.3 | 32171178 uORF | Ref |
| Homo sapiens ARS component B (ARS), mRNA                                                                                              | ref | NM,020427.2 | 17572819 uORF | Ref |
| Homo sapiens KIAA1191 protein (KIAA1191), mRNA                                                                                        | ref | NM,020444.2 | 19923826 uORF | Ref |
| Homo sapiens actin-related protein 3-beta (ARPP3BETA), mRNA                                                                           | ref | NM,020445.1 | 9966912 uORF  | Ref |
| Homo sapiens hypothetical protein dJ122O8.2 (dJ122O8.2), mRNA                                                                         | ref | NM,020466.3 | 20070310 uORF | Ref |
| Homo sapiens nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha (NFKBIA), mRNA                       | ref | NM,020529.1 | 10092618 uORF | Ref |
| Homo sapiens oncostatin M (OSM), mRNA                                                                                                 | ref | NM,020530.2 | 19923562 uORF | Ref |
| Homo sapiens anti-Müllerian hormone receptor, type II (AMHR2), mRNA                                                                   | ref | NM,020547.1 | 10198655 N/A  | Ref |
| Homo sapiens diazepam binding inhibitor (GABA receptor modulator, acyl-Coenzyme A binding protein) (DBI), mRNA                        | ref | NM,020548.4 | 54262129 uORF | Ref |
| Homo sapiens twisted gastrulation homolog 1 (Drosophila) (TWG1), mRNA                                                                 | ref | NM,020648.3 | 21314788 uORF | Ref |
| Homo sapiens pellino homolog 1 (Drosophila) (PEL1), mRNA                                                                              | ref | NM,020651.2 | 11037062 uORF | Ref |
| Homo sapiens activation-induced cytidine deaminase (AICDA), mRNA                                                                      | ref | NM,020661.1 | 10190699 uORF | Ref |
| Homo sapiens 2,4-dienoyl CoA reductase 2, peroxisomal (DEC2), mRNA                                                                    | ref | NM,020664.3 | 37675281 uORF | Ref |
| Homo sapiens kidney-specific membrane protein (NK17), mRNA                                                                            | ref | NM,020665.2 | 21361864 uORF | Ref |
| Homo sapiens RAB22A, member RAS oncogene family (RAB22A), mRNA                                                                        | ref | NM,020673.1 | 10190713 uORF | Ref |
| Homo sapiens abhydrolase domain containing 6 (ABHD6), mRNA                                                                            | ref | NM,020676.2 | 21361876 uORF | Ref |
| Homo sapiens HSCARG protein (HSCARG), mRNA                                                                                            | ref | NM,020677.1 | 10190719 uORF | Ref |
| Homo sapiens AD023 protein (AD023), mRNA                                                                                              | ref | NM,020679.1 | 10190723 uORF | Ref |
| Homo sapiens HT021 (HT021), mRNA                                                                                                      | ref | NM,020685.1 | 10190735 uORF | Ref |
| Homo sapiens potassium voltage-gated channel, delayed-rectifier, subfamily S, member 2 (KCNK2), mRNA                                  | ref | NM,020697.2 | 45433545 uORF | Ref |
| Homo sapiens metastasis associated 1 family, member 3 (MTA3), mRNA                                                                    | ref | NM,020744.2 | 50878291 uORF | Ref |
| Homo sapiens protein kinase C and casein kinase substrate in neurons 1 (PACSN1), mRNA                                                 | ref | NM,020804.2 | 47834327 uORF | Ref |
| Homo sapiens brain-enriched guanlylate kinase-associated protein (KAA1446), mRNA                                                      | ref | NM,020836.2 | 34147338 uORF | Ref |
| Homo sapiens KIAA1468 (KIAA1468), mRNA                                                                                                | ref | NM,020854.2 | 24475647 uORF | Ref |
| Homo sapiens KIAA1536 protein (KIAA1536), mRNA                                                                                        | ref | NM,020898.1 | 14149741 uORF | Ref |
| Homo sapiens netrin-G1 ligand (NGL-1), mRNA                                                                                           | ref | NM,020929.1 | 51317372 uORF | Ref |
| Homo sapiens glucosidase, beta (bile acid) 2 (GBA2), mRNA                                                                             | ref | NM,020944.2 | 27413907 uORF | Ref |
| Homo sapiens KIAA1618 (KIAA1618), mRNA                                                                                                | ref | NM,020954.1 | 39930304 uORF | Ref |
| Homo sapiens Mov10, Moloney leukemia virus 10, homolog (mouse) (MOV10), mRNA                                                          | ref | NM,020963.1 | 14211538 uORF | Ref |
| Homo sapiens aquaporin 9 (AQP9), mRNA                                                                                                 | ref | NM,020980.2 | 11038652 uORF | Ref |
| Homo sapiens creatine kinase, mitochondrial 1 (ubiquitous) (CKMT1), nuclear gene encoding mitochondrial protein, mRNA                 | ref | NM,020990.2 | 11641403 uORF | Ref |
| Homo sapiens PDZ and LIM domain 1 (elfin) (POLIM1), mRNA                                                                              | ref | NM,020992.2 | 20127594 uORF | Ref |
| Homo sapiens muscleblind-like (Drosophila) (MBNL1), transcript variant 1, mRNA                                                        | ref | NM,021038.3 | 46411162 uORF | Ref |
| Homo sapiens melanoma antigen, family A, 10 (MAGEA10), mRNA                                                                           | ref | NM,021048.2 | 20070312 uORF | Ref |
| Homo sapiens zinc finger protein 2 (A1-5) (ZNF2), mRNA                                                                                | ref | NM,021088.1 | 20304090 uORF | Ref |
| Homo sapiens NFS1 nitrogen fixation 1 (S. cerevisiae) (NFS1), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA | ref | NM,021100.3 | 32307131 uORF | Ref |
| Homo sapiens claudin 1 (CLDN1), mRNA                                                                                                  | ref | NM,021101.3 | 21536297 uORF | Ref |
| Homo sapiens thymosin, beta 10 (TMSB10), mRNA                                                                                         | ref | NM,021103.2 | 31543813 uORF | Ref |
| Homo sapiens ribosomal protein L41 (RPL41), mRNA                                                                                      | ref | NM,021104.1 | 10863874 uORF | Ref |
| Homo sapiens phospholipid scramblase 1 (PLSCR1), mRNA                                                                                 | ref | NM,021105.1 | 10863876 uORF | Ref |
| Homo sapiens cryptochrome 2 (photolyase-like) (CRY2), mRNA                                                                            | ref | NM,021117.1 | 29789121 uORF | Ref |
| Homo sapiens G antigen 7 (GAGE7), mRNA                                                                                                | ref | NM,021123.1 | 11024640 uORF | Ref |
| Homo sapiens peptidylprolyl isomerase A (cyclophilin A) (PPIA), mRNA                                                                  | ref | NM,021130.1 | 10863928 uORF | Ref |
| Homo sapiens ribonuclease L (2',5'-oligoadenylate synthetase-dependent) (RNASEL), mRNA                                                | ref | NM,021133.1 | 10863928 N/A  | Ref |
| Homo sapiens tumor necrosis factor, alpha-induced protein 1 (endothelial) (TNFAIP1), mRNA                                             | ref | NM,021137.2 | 22024386 uORF | Ref |
| Homo sapiens TNF receptor-associated factor 2 (TRAF2), transcript variant 1, mRNA                                                     | ref | NM,021138.2 | 22027611 uORF | Ref |
| Homo sapiens angiopoietin-like factor (CDT6), mRNA                                                                                    | ref | NM,021146.2 | 20127595 uORF | Ref |
| Homo sapiens coactosin-like 1 (Dictyostelium) (COOTL1), mRNA                                                                          | ref | NM,021149.1 | 21624606 uORF | Ref |
| Homo sapiens chromosome 20 open reading frame 97 (C20orf97), mRNA                                                                     | ref | NM,021158.1 | 11056038 uORF | Ref |
| Homo sapiens RAP1, GTP-GDP dissociation stimulator 1 (RAP1GDS1), mRNA                                                                 | ref | NM,021159.2 | 20070313 uORF | Ref |
| Homo sapiens family with sequence similarity 5, member B (FAM5B), mRNA                                                                | ref | NM,021165.1 | 23943865 uORF | Ref |
| Homo sapiens hepcidin antimicrobial peptide (HAMP), mRNA                                                                              | ref | NM,021175.1 | 10863972 uORF | Ref |
| Homo sapiens enhancer of invasion 10 (HEI10), mRNA                                                                                    | ref | NM,021178.1 | 10863978 uORF | Ref |
| Homo sapiens signal recognition particle receptor, B subunit (SRPBB), mRNA                                                            | ref | NM,021203.2 | 14917112 uORF | Ref |
| Homo sapiens E-1 enzyme (MASA), mRNA                                                                                                  | ref | NM,021204.1 | 10864016 uORF | Ref |
| Homo sapiens trafficking protein particle complex 1 (TRAPPC1), mRNA                                                                   | ref | NM,021210.2 | 40254950 uORF | Ref |
| Homo sapiens myozenin 1 (MYOZ1), mRNA                                                                                                 | ref | NM,021245.2 | 21359948 uORF | Ref |
| Homo sapiens RAB18, member RAS oncogene family (RAB18), mRNA                                                                          | ref | NM,021252.2 | 19923574 uORF | Ref |
| Homo sapiens chromosome 21 open reading frame 59 (C21orf59), mRNA                                                                     | ref | NM,021254.1 | 11037060 uORF | Ref |
| Homo sapiens pellino homolog 2 (Drosophila) (PEL2), mRNA                                                                              | ref | NM,021255.1 | 10864062 uORF | Ref |
| Homo sapiens SUMO1/sentrin/SMT3 specific protease 2 (SEN2), mRNA                                                                      | ref | NM,021627.2 | 54607090 uORF | Ref |
| Homo sapiens hypothetical protein SP192 (SP192), mRNA                                                                                 | ref | NM,021639.2 | 21314695 uORF | Ref |
| Homo sapiens tribbles homolog 2 (TRB2), mRNA                                                                                          | ref | NM,021643.1 | 11056053 N/A  | Ref |
| Homo sapiens tribbles homolog 2 (TRB2), mRNA                                                                                          | ref | NM,021643.1 | 11056053 uORF | Ref |
| Homo sapiens heterogeneous nuclear ribonucleoprotein H3 (ZH9) (HNRPH3), transcript variant ZH9A, mRNA                                 | ref | NM,021644.2 | 14141158 uORF | Ref |
| Homo sapiens CD27-binding (Siva) protein (SIVA), transcript variant 2, mRNA                                                           | ref | NM,021709.1 | 11277468 uORF | Ref |
| Homo sapiens orthodenticle homolog 2 (Drosophila) (OTX2), transcript variant 1, mRNA                                                  | ref | NM,021728.2 | 27436931 uORF | Ref |
| Homo sapiens ectodysplasin A2 receptor (EDA2R), mRNA                                                                                  | ref | NM,021783.2 | 40549448 uORF | Ref |
| Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G (APOBEC3G), mRNA                                     | ref | NM,021822.1 | 13399303 uORF | Ref |
| Homo sapiens cofilin 2 (muscle) (CFL2), mRNA                                                                                          | ref | NM,021914.3 | 21687144 uORF | Ref |
| Homo sapiens hypothetical protein FLJ21820 (FLJ21820), mRNA                                                                           | ref | NM,021925.1 | 11345457 uORF | Ref |
| Homo sapiens testis expressed sequence 27 (TEX27), mRNA                                                                               | ref | NM,021943.1 | 11345483 uORF | Ref |
| Homo sapiens hypothetical protein FLJ22174 (FLJ22174), mRNA                                                                           | ref | NM,021945.1 | 11345487 uORF | Ref |
| Homo sapiens guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 1 (GNGT1), mRNA                   | ref | NM,021955.1 | 11386178 uORF | Ref |
| Homo sapiens active BCR-related gene (ABR), transcript variant 1, mRNA                                                                | ref | NM,021962.1 | 11641400 uORF | Ref |
| Homo sapiens nuclear receptor subfamily 0, group B, member 2 (NR0B2), mRNA                                                            | ref | NM,021969.1 | 13259502 uORF | Ref |
| Homo sapiens sphingosine kinase 1 (SPHK1), mRNA                                                                                       | ref | NM,021972.2 | 21361087 uORF | Ref |
| Homo sapiens polymerase (RNA) II (DNA directed) polypeptide F (POLR2F), mRNA                                                          | ref | NM,021974.2 | 14602451 uORF | Ref |
| Homo sapiens thymosin, beta, identified in neuroblastoma cells (TMSNB), mRNA                                                          | ref | NM,021992.1 | 11496272 uORF | Ref |
| Homo sapiens integral membrane protein 2B (IT2B2), mRNA                                                                               | ref | NM,021999.2 | 31542987 uORF | Ref |
| Homo sapiens FXD domain containing ion transport regulator 7 (FXD7), mRNA                                                             | ref | NM,022006.1 | 11612658 uORF | Ref |
| Homo sapiens casein kinase 1, gamma 1 (CSNK1G1), mRNA                                                                                 | ref | NM,022048.1 | 11545750 uORF | Ref |
| Homo sapiens chemokine (C-X-C motif) ligand 16 (CXCL16), mRNA                                                                         | ref | NM,022059.1 | 11545764 uORF | Ref |
| Homo sapiens abhydrolase domain containing 4 (ABHD4), mRNA                                                                            | ref | NM,022060.2 | 50658088 uORF | Ref |
| Homo sapiens egl nine homolog 3 (C. elegans) (EGLN3), mRNA                                                                            | ref | NM,022073.1 | 11545788 uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein S14 (MRPS14), nuclear gene encoding mitochondrial protein, mRNA                          | ref | NM,022100.1 | 11559928 uORF | Ref |
| Homo sapiens hypothetical protein FLJ22965 (FLJ22965), mRNA                                                                           | ref | NM,022101.1 | 11545812 uORF | Ref |
| Homo sapiens chromosome 20 open reading frame 67 (C20orf67), mRNA                                                                     | ref | NM,022104.1 | 18034768 uORF | Ref |
| Homo sapiens G-protein signalling modulator 3 (AGS3-like, C. elegans) (GPSM3), mRNA                                                   | ref | NM,022107.1 | 11545816 uORF | Ref |

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| Homo sapiens FK506 binding protein like (FKBP_L), mRNA                                                                                                                                | ref | NM_022110.2 | 17149852  | uORF | Ref |
| Homo sapiens PERP, TP53 apoptosis effector (PERP), mRNA                                                                                                                               | ref | NM_022121.2 | 31377721  | uORF | Ref |
| Homo sapiens ribokinas (RBKS), mRNA                                                                                                                                                   | ref | NM_022128.1 | 11545854  | uORF | Ref |
| Homo sapiens sorting nexin 16 (SNX16), transcript variant 1, mRNA                                                                                                                     | ref | NM_022133.2 | 23238243  | uORF | Ref |
| Homo sapiens gamma-parvin (PARVG), mRNA                                                                                                                                               | ref | NM_022141.1 | 11545878  | uORF | Ref |
| Homo sapiens epididymal sperm binding protein 1 (ELSPBP1), mRNA                                                                                                                       | ref | NM_022142.3 | 21395051  | uORF | Ref |
| Homo sapiens PP1201 protein (PP1201), mRNA                                                                                                                                            | ref | NM_022152.2 | 15100173  | uORF | Ref |
| Homo sapiens up-regulated by BCG-OWS (LOC64116), mRNA                                                                                                                                 | ref | NM_022154.2 | 15147222  | uORF | Ref |
| Homo sapiens PP3111 protein (PP3111), mRNA                                                                                                                                            | ref | NM_022156.3 | 40807365  | uORF | Ref |
| Homo sapiens Ras-related GTP binding C (RRAGC), mRNA                                                                                                                                  | ref | NM_022157.2 | 31542866  | uORF | Ref |
| Homo sapiens lin-7 homolog B (C. elegans) (LIN7B), mRNA                                                                                                                               | ref | NM_022165.1 | 11545919  | uORF | Ref |
| Homo sapiens T-cell leukemia translocation altered gene (TOTA), mRNA                                                                                                                  | ref | NM_022171.1 | 11560140  | uORF | Ref |
| Homo sapiens RAB38, member RAS oncogene family (RAB38), mRNA                                                                                                                          | ref | NM_022337.1 | 11641236  | uORF | Ref |
| Homo sapiens stimulated by retinoic acid gene 6 (FLJ12541), mRNA                                                                                                                      | ref | NM_022369.2 | 21314699  | uORF | Ref |
| Homo sapiens G protein beta subunit-like (GBL), mRNA                                                                                                                                  | ref | NM_022372.2 | 21361907  | uORF | Ref |
| Homo sapiens chromosome 7 open reading frame 2 (C7orf2), mRNA                                                                                                                         | ref | NM_022458.2 | 21362111  | uORF | Ref |
| Homo sapiens p53 target zinc finger protein (WIG1), mRNA                                                                                                                              | ref | NM_022470.1 | 11968018  | uORF | Ref |
| Homo sapiens fused toes homolog (mouse) (FTS), mRNA                                                                                                                                   | ref | NM_022476.1 | 11968026  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ12587 (FLJ12587), mRNA                                                                                                                           | ref | NM_022480.2 | 21362104  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ21657 (FLJ21657), mRNA                                                                                                                           | ref | NM_022483.2 | 19923589  | uORF | Ref |
| Homo sapiens nuclear prelamin A recognition factor-like (NARFL), mRNA                                                                                                                 | ref | NM_022493.1 | 11968050  | uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein S25 (MRPS25), nuclear gene encoding mitochondrial protein, mRNA                                                                          | ref | NM_022497.2 | 16579880  | uORF | Ref |
| Homo sapiens myofibrillogenesis regulator 1 (MR-1), mRNA                                                                                                                              | ref | NM_022572.1 | 21703351  | uORF | Ref |
| Homo sapiens DiGeorge syndrome critical region gene 8 (DGCR8), mRNA                                                                                                                   | ref | NM_022720.2 | 200770318 | uORF | Ref |
| Homo sapiens HpaII tiny fragments locus 9C (HTF9C), transcript variant 1, mRNA                                                                                                        | ref | NM_022727.4 | 51173877  | uORF | Ref |
| Homo sapiens chromosome 9 open reading frame 12 (C9orf12), mRNA                                                                                                                       | ref | NM_022755.2 | 21314707  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ11730 (FLJ11730), mRNA                                                                                                                           | ref | NM_022756.2 | 20149668  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ22195 (FLJ22195), mRNA                                                                                                                           | ref | NM_022758.2 | 20149669  | uORF | Ref |
| Homo sapiens oxysterol binding protein-like 11 (OSBP.L11), mRNA                                                                                                                       | ref | NM_022776.3 | 23111058  | uORF | Ref |
| Homo sapiens RAB, member of RAS oncogene family-like 5 (RABL5), mRNA                                                                                                                  | ref | NM_022777.1 | 12232462  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ13910 (FLJ13910), mRNA                                                                                                                           | ref | NM_022780.2 | 19923839  | uORF | Ref |
| Homo sapiens nicotinamide nucleotide adenyltransferase 1 (NMNAT1), mRNA                                                                                                               | ref | NM_022787.2 | 200770320 | uORF | Ref |
| Homo sapiens purinergic receptor P2Y, G-protein coupled 12 (P2RY12), mRNA                                                                                                             | ref | NM_022788.2 | 21359953  | uORF | Ref |
| Homo sapiens likely ortholog of kinesin light chain 2 (KLC2), mRNA                                                                                                                    | ref | NM_022822.1 | 12383061  | uORF | Ref |
| Homo sapiens fibronectin type III domain containing 4 (FNDC4), mRNA                                                                                                                   | ref | NM_022823.1 | 12383063  | uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein S11 (MRPS11), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA                                                    | ref | NM_022839.2 | 16554608  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ12572 (FLJ12572), mRNA                                                                                                                           | ref | NM_022905.2 | 21362085  | uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein L44 (MRPL44), nuclear gene encoding mitochondrial protein, mRNA                                                                          | ref | NM_022915.2 | 21735610  | uORF | Ref |
| Homo sapiens vacuolar protein sorting 33A (yeast) (VPS33A), mRNA                                                                                                                      | ref | NM_022916.2 | 18105055  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ22104 (FLJ22104), mRNA                                                                                                                           | ref | NM_022918.1 | 12597666  | uORF | Ref |
| Homo sapiens fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jac | ref | NM_022972.1 | 13186258  | N/A  | Ref |
| Homo sapiens fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jac | ref | NM_023030.1 | 13186270  | N/A  | Ref |
| Homo sapiens ankyrin repeat, family A (RFKANK-like), 2 (ANKRA2), mRNA                                                                                                                 | ref | NM_023039.2 | 21362082  | uORF | Ref |
| Homo sapiens chromosome 16 open reading frame 28 (C16orf28), mRNA                                                                                                                     | ref | NM_023076.2 | 40254954  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ13855 (FLJ13855), mRNA                                                                                                                           | ref | NM_023079.2 | 20149671  | uORF | Ref |
| Homo sapiens hypothetical protein MGC2474 (MGC2474), mRNA                                                                                                                             | ref | NM_023931.1 | 13027593  | uORF | Ref |
| Homo sapiens FUN14 domain containing 2 (FUND.C2), mRNA                                                                                                                                | ref | NM_023934.2 | 24371247  | uORF | Ref |
| Homo sapiens chromosome 20 open reading frame 116 (C20orf116), mRNA                                                                                                                   | ref | NM_023935.1 | 13027601  | uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein S34 (MRPS34), nuclear gene encoding mitochondrial protein, mRNA                                                                          | ref | NM_023936.1 | 13027603  | uORF | Ref |
| Homo sapiens specifically androgen-regulated protein (SARG), mRNA                                                                                                                     | ref | NM_023938.4 | 56550121  | uORF | Ref |
| Homo sapiens hypothetical protein MGC2827 (MGC2827), mRNA                                                                                                                             | ref | NM_023940.1 | 13027611  | uORF | Ref |
| Homo sapiens hypothetical protein MGC3036 (MGC3036), mRNA                                                                                                                             | ref | NM_023942.1 | 13027615  | uORF | Ref |
| Homo sapiens gap junction protein, beta 3, 31kDa (connexin 31) (GJB3), mRNA                                                                                                           | ref | NM_024009.1 | 13128959  | uORF | Ref |
| Homo sapiens membrane-spanning 4-domains, subfamily A, member 4 (MS4A4A), transcript variant 1, mRNA                                                                                  | ref | NM_024021.2 | 200770327 | uORF | Ref |
| Homo sapiens hypothetical protein MGC1136 (MGC1136), mRNA                                                                                                                             | ref | NM_024025.1 | 13128967  | uORF | Ref |
| Homo sapiens hypothetical protein MGC5242 (MGC5242), mRNA                                                                                                                             | ref | NM_024033.1 | 13162284  | uORF | Ref |
| Homo sapiens sodium channel modifier 1 (SCN.M1), mRNA                                                                                                                                 | ref | NM_024041.1 | 13128997  | uORF | Ref |
| Homo sapiens hypothetical protein MGC3101 (MGC3101), mRNA                                                                                                                             | ref | NM_024043.1 | 13129001  | uORF | Ref |
| Homo sapiens hypothetical protein MGC8407 (MGC8407), mRNA                                                                                                                             | ref | NM_024046.1 | 13129007  | uORF | Ref |
| Homo sapiens nudix (nucleoside diphosphate linked moiety X)-type motif 9 (NUDT9), mRNA                                                                                                | ref | NM_024047.2 | 20127621  | uORF | Ref |
| Homo sapiens hypothetical protein MGC3020 (MGC3020), mRNA                                                                                                                             | ref | NM_024048.2 | 21314710  | uORF | Ref |
| Homo sapiens chromosome 7 open reading frame 24 (C7orf24), mRNA                                                                                                                       | ref | NM_024051.1 | 13129017  | uORF | Ref |
| Homo sapiens chromosome 22 open reading frame 18 (C22orf18), mRNA                                                                                                                     | ref | NM_024053.1 | 13129021  | uORF | Ref |
| Homo sapiens solute carrier family 30 (zinc transporter), member 5 (SLC30A5), mRNA                                                                                                    | ref | NM_024055.2 | 20149672  | uORF | Ref |
| Homo sapiens hypothetical protein MGC5576 (MGC5576), mRNA                                                                                                                             | ref | NM_024056.1 | 13129025  | uORF | Ref |
| Homo sapiens hypothetical protein MGC5590 (MGC5590), mRNA                                                                                                                             | ref | NM_024058.1 | 13129029  | uORF | Ref |
| Homo sapiens hypothetical protein MGC5356 (MGC5356), mRNA                                                                                                                             | ref | NM_024059.2 | 15011885  | uORF | Ref |
| Homo sapiens hypothetical protein MGC5395 (MGC5395), mRNA                                                                                                                             | ref | NM_024060.1 | 13129033  | uORF | Ref |
| Homo sapiens vav-1 interacting Kruppel-like protein (VIK), mRNA                                                                                                                       | ref | NM_024061.1 | 13129035  | uORF | Ref |
| Homo sapiens hypothetical protein MGC2731 (MGC2731), mRNA                                                                                                                             | ref | NM_024068.1 | 13129047  | uORF | Ref |
| Homo sapiens zinc finger, FYVE domain containing 21 (ZF.YVE21), mRNA                                                                                                                  | ref | NM_024071.2 | 200770329 | uORF | Ref |
| Homo sapiens potassium channel tetramerisation domain containing 15 (KCTD15), mRNA                                                                                                    | ref | NM_024076.1 | 13129063  | uORF | Ref |
| Homo sapiens asparagine-linked glycosylation 8 homolog (yeast, alpha-1,3-glucosyltransferase) (ALGB), mRNA                                                                            | ref | NM_024079.1 | 13129069  | uORF | Ref |
| Homo sapiens proline rich Glu (G-carboxyglutamic acid) 4 (transmembrane) (PRRG4), mRNA                                                                                                | ref | NM_024081.4 | 40255027  | uORF | Ref |
| Homo sapiens hypothetical protein MGC5509 (MGC5509), mRNA                                                                                                                             | ref | NM_024093.1 | 13129093  | uORF | Ref |
| Homo sapiens XTP3-transactivated protein A (XTP3TPA), mRNA                                                                                                                            | ref | NM_024096.1 | 13129099  | uORF | Ref |
| Homo sapiens hypothetical protein MGC2477 (MGC2477), mRNA                                                                                                                             | ref | NM_024099.2 | 46198300  | uORF | Ref |
| Homo sapiens MEP50 protein (MEP50), mRNA                                                                                                                                              | ref | NM_024102.2 | 20127622  | uORF | Ref |
| Homo sapiens hypothetical protein MGC2747 (MGC2747), mRNA                                                                                                                             | ref | NM_024104.1 | 13129111  | uORF | Ref |
| Homo sapiens chromosome 9 open reading frame 16 (C9orf16), mRNA                                                                                                                       | ref | NM_024112.1 | 13129127  | uORF | Ref |
| Homo sapiens tripartite motif-containing 48 (TRIM48), mRNA                                                                                                                            | ref | NM_024114.1 | 13129131  | uORF | Ref |
| Homo sapiens ubiquitin-like 5 (UBL5), mRNA                                                                                                                                            | ref | NM_024292.2 | 42476283  | uORF | Ref |
| Homo sapiens hypothetical protein MGC4614 (MGC4614), mRNA                                                                                                                             | ref | NM_024294.1 | 13236513  | uORF | Ref |
| Homo sapiens chromosome 20 open reading frame 149 (C20orf149), mRNA                                                                                                                   | ref | NM_024299.2 | 34147371  | uORF | Ref |
| Homo sapiens TNFAIP3 interacting protein 2 (TNIP2), mRNA                                                                                                                              | ref | NM_024309.1 | 13236543  | uORF | Ref |
| Homo sapiens MGC4170 protein (MGC4170), mRNA                                                                                                                                          | ref | NM_024312.1 | 13236550  | uORF | Ref |
| Homo sapiens hypothetical protein MGC3731 (MGC3731), mRNA                                                                                                                             | ref | NM_024313.1 | 13236552  | uORF | Ref |
| Homo sapiens leukocyte receptor cluster (LRC) member 1 (LENG1), mRNA                                                                                                                  | ref | NM_024316.1 | 24308288  | uORF | Ref |
| Homo sapiens chromosome 1 open reading frame 35 (C1orf35), mRNA                                                                                                                       | ref | NM_024319.1 | 13236558  | uORF | Ref |
| Homo sapiens hypothetical protein MGC11266 (MGC11266), mRNA                                                                                                                           | ref | NM_024322.1 | 13236564  | uORF | Ref |
| Homo sapiens chromosome 20 open reading frame 121 (C20orf121), mRNA                                                                                                                   | ref | NM_024331.1 | 13236580  | uORF | Ref |
| Homo sapiens dynactin 3 (p22) (DCTN3), transcript variant 2, mRNA                                                                                                                     | ref | NM_024348.2 | 22165422  | uORF | Ref |
| Homo sapiens prodynorphin (PDYN), mRNA                                                                                                                                                | ref | NM_024411.1 | 13270472  | uORF | Ref |
| Homo sapiens phosphatidyglycerophosphate synthase (PGS1), mRNA                                                                                                                        | ref | NM_024419.2 | 21314623  | uORF | Ref |
| Homo sapiens glucocorticoid modulatory element binding protein 1 (GMEB1), transcript variant 2, mRNA                                                                                  | ref | NM_024482.1 | 13435374  | uORF | Ref |
| Homo sapiens hypothetical protein MGC4645 (MGC4645), mRNA                                                                                                                             | ref | NM_024515.1 | 13375651  | uORF | Ref |
| Homo sapiens hypothetical protein MGC4606 (MGC4606), mRNA                                                                                                                             | ref | NM_024516.1 | 13375653  | uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein L24 (MRPL24), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA                                                    | ref | NM_024540.2 | 22035587  | uORF | Ref |
| Homo sapiens chromosome 13 open reading frame 7 (C13orf7), mRNA                                                                                                                       | ref | NM_024546.2 | 21362045  | uORF | Ref |
| Homo sapiens leucine-rich repeats and IQ motif containing 2 (LRR.IQ2), mRNA                                                                                                           | ref | NM_024548.2 | 31377704  | uORF | Ref |
| Homo sapiens RIC3 protein (RIC3), mRNA                                                                                                                                                | ref | NM_024557.2 | 21362039  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ14054 (FLJ14054), mRNA                                                                                                                           | ref | NM_024563.1 | 13375730  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ21616 (FLJ21616), mRNA                                                                                                                           | ref | NM_024567.2 | 47059039  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ22709 (FLJ22709), mRNA                                                                                                                           | ref | NM_024578.1 | 13375755  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ23584 (FLJ23584), mRNA                                                                                                                           | ref | NM_024588.2 | 21359958  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ11749 (FLJ11749), mRNA                                                                                                                           | ref | NM_024591.1 | 13375782  | uORF | Ref |
| Homo sapiens pantothenate kinase 3 (PANK3), mRNA                                                                                                                                      | ref | NM_024594.1 | 13375788  | uORF | Ref |
| Homo sapiens HSPB (heat shock 27kDa) associated protein 1 (HSPBAP1), mRNA                                                                                                             | ref | NM_024610.2 | 21314713  | uORF | Ref |
| Homo sapiens pleckstrin homology domain containing, family F (with FYVE domain) member 2 (PLEKH.F2), mRNA                                                                             | ref | NM_024613.2 | 31543413  | uORF | Ref |
| Homo sapiens fructosamine-3-kinase-related protein (FN3KRP), mRNA                                                                                                                     | ref | NM_024619.2 | 20149679  | uORF | Ref |
| Homo sapiens queuine tRNA-ribosyltransferase domain containing 1 (QTRTD1), mRNA                                                                                                       | ref | NM_024638.2 | 31542681  | uORF | Ref |
| Homo sapiens nucleoporin 43kDa (NUP43), transcript variant 2, mRNA                                                                                                                    | ref | NM_024647.4 | 38605731  | uORF | Ref |
| Homo sapiens multiple ankyrin repeats, single KH-domain (MASK) homolog (MASK), mRNA                                                                                                   | ref | NM_024668.1 | 13386461  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ14001 (FLJ14001), mRNA                                                                                                                           | ref | NM_024677.3 | 34222276  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ23441 (FLJ23441), mRNA                                                                                                                           | ref | NM_024678.2 | 200770336 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ11939 (FLJ11939), mRNA                                                                                                                           | ref | NM_024679.1 | 13375947  | uORF | Ref |
| Homo sapiens complexin III (FLJ13993), mRNA                                                                                                                                           | ref | NM_024695.1 | 13375976  | uORF | Ref |
| Homo sapiens ankyrin repeat and SOCS box-containing 7 (ASB7), transcript variant 1, mRNA                                                                                              | ref | NM_024708.2 | 30089993  | uORF | Ref |
| Homo sapiens engulfment and cell motility 3 (ced-12 homolog, C. elegans) (ELMO3), mRNA                                                                                                | ref | NM_024712.2 | 19718770  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ12150 (FLJ12150), mRNA                                                                                                                           | ref | NM_024736.2 | 20149684  | uORF | Ref |
| Homo sapiens zinc finger protein 408 (ZNF408), mRNA                                                                                                                                   | ref | NM_024741.1 | 13376063  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ12505 (FLJ12505), mRNA                                                                                                                           | ref | NM_024749.1 | 13376077  | uORF | Ref |
| Homo sapiens leucine-rich repeat-containing 2 (LRR.C2), mRNA                                                                                                                          | ref | NM_024750.1 | 13378144  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ12598 (FLJ12598), mRNA                                                                                                                           | ref | NM_024754.2 | 20127633  | uORF | Ref |
| Homo sapiens hypothetical protein FLJ13984 (FLJ13984), mRNA                                                                                                                           | ref | NM_024770.1 | 13376116  | uORF | Ref |

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| Homo sapiens hypothetical protein FLJ21140 (FLJ21140), mRNA                                                          | ref | NM_024776.1 | 13376128 | N/A  | Ref |
| Homo sapiens phosphatidylinositol-4-phosphate 5-kinase, type II, gamma (PIP5K2C), mRNA                               | ref | NM_024779.2 | 21322229 | uORF | Ref |
| Homo sapiens zinc finger, DHHC domain containing 11 (ZDHHC11), mRNA                                                  | ref | NM_024786.1 | 13376149 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ22490 (FLJ22490), mRNA                                                          | ref | NM_024790.2 | 21314723 | uORF | Ref |
| Homo sapiens PDZ domain containing 2 (PDZK2), mRNA                                                                   | ref | NM_024791.2 | 21630284 | uORF | Ref |
| Homo sapiens NIMA (never in mitosis gene a)-related kinase 11 (NEK11), mRNA                                          | ref | NM_024800.1 | 13376174 | N/A  | Ref |
| Homo sapiens hypothetical protein FLJ21172 (FLJ21172), mRNA                                                          | ref | NM_024805.1 | 13376184 | uORF | Ref |
| Homo sapiens brain and acute leukemia, cytoplasmic (BAALC), mRNA                                                     | ref | NM_024812.1 | 13376199 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ22349 (FLJ22349), mRNA                                                          | ref | NM_024821.1 | 13376215 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ22028 (FLJ22028), mRNA                                                          | ref | NM_024854.2 | 51035595 | uORF | Ref |
| Homo sapiens chromosome 20 open reading frame 39 (C20orf39), mRNA                                                    | ref | NM_024893.1 | 13376346 | uORF | Ref |
| Homo sapiens PHD protein Jade-1 (JADE1), transcript variant S, mRNA                                                  | ref | NM_024900.2 | 19923608 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ22457 (FLJ22457), mRNA                                                          | ref | NM_024901.2 | 21361990 | uORF | Ref |
| Homo sapiens oligonucleotide/oligosaccharide-binding fold containing 1 (OBFC1), mRNA                                 | ref | NM_024928.3 | 34147613 | uORF | Ref |
| Homo sapiens NEFA-interacting nuclear protein NP30 (NP30), mRNA                                                      | ref | NM_024946.1 | 13376428 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ14107 (FLJ14107), mRNA                                                          | ref | NM_025026.1 | 13376547 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ23168 (FLJ23168), mRNA                                                          | ref | NM_025055.2 | 21361966 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ23420 (FLJ23420), mRNA                                                          | ref | NM_025061.2 | 21314729 | uORF | Ref |
| Homo sapiens UDP-glucuronate decarboxylase 1 (UXS1), mRNA                                                            | ref | NM_025076.2 | 42516562 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ21128 (FLJ21128), mRNA                                                          | ref | NM_025083.2 | 19923612 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ22170 (FLJ22170), mRNA                                                          | ref | NM_025099.1 | 13376664 | uORF | Ref |
| Homo sapiens SPRY domain-containing SOCS box protein SSB-1 (SSB1), mRNA                                              | ref | NM_025106.2 | 18141315 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ13909 (FLJ13909), mRNA                                                          | ref | NM_025108.1 | 13376678 | uORF | Ref |
| Homo sapiens chromosome 10 open reading frame 57 (C10orf57), mRNA                                                    | ref | NM_025125.2 | 31542685 | uORF | Ref |
| Homo sapiens ring finger protein 34 (RNF34), transcript variant 2, mRNA                                              | ref | NM_025126.2 | 37595536 | uORF | Ref |
| Homo sapiens optic atrophy 3 (autosomal recessive, with chorea and spastic paraplegia) (OPA3), mRNA                  | ref | NM_025136.1 | 13376716 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ11577 (FLJ11577), mRNA                                                          | ref | NM_025159.1 | 13376758 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ21016 (FLJ21016), mRNA                                                          | ref | NM_025160.1 | 13376760 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ22175 (FLJ22175), mRNA                                                          | ref | NM_025161.2 | 19923616 | uORF | Ref |
| Homo sapiens elongation factor RNA polymerase II-like 3 (ELL3), mRNA                                                 | ref | NM_025165.1 | 13376767 | uORF | Ref |
| Homo sapiens KIAA1539 (KIAA1539), mRNA                                                                               | ref | NM_025182.2 | 33636716 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ12076 (FLJ12076), mRNA                                                          | ref | NM_025187.2 | 21361955 | uORF | Ref |
| Homo sapiens hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7 (HSD3B7), mRNA             | ref | NM_025193.2 | 19923620 | uORF | Ref |
| Homo sapiens phosphoprotein regulated by mitogenic pathways (CBFW), mRNA                                             | ref | NM_025195.1 | 13393327 | N/A  | Ref |
| Homo sapiens Kv channel interacting protein 4 (KCNP4), transcript variant 1, mRNA                                    | ref | NM_025221.4 | 28373063 | uORF | Ref |
| Homo sapiens uropkin 3B (UPK3B), transcript variant 1, mRNA                                                          | ref | NM_030570.2 | 33149302 | uORF | Ref |
| Homo sapiens hypothetical protein MGC10946 (MGC10946), mRNA                                                          | ref | NM_030572.1 | 13386481 | uORF | Ref |
| Homo sapiens cytochrome b5 open mitochondrial membrane precursor (CYB5-M), mRNA                                      | ref | NM_030579.1 | 13385593 | uORF | Ref |
| Homo sapiens DEAH (Asp-Glu-Ala-His) box polypeptide 9 (DHX9), transcript variant 2, mRNA                             | ref | NM_030588.1 | 13514821 | uORF | Ref |
| Homo sapiens mitochondrial capsule selenoprotein (MCSP), mRNA                                                        | ref | NM_030663.1 | 13489057 | uORF | Ref |
| Homo sapiens SEC13-like 1 (S. cerevisiae) (SEC13L1), mRNA                                                            | ref | NM_030673.1 | 13491163 | uORF | Ref |
| Homo sapiens thioredoxin domain-containing (TXNDC), mRNA                                                             | ref | NM_030755.1 | 13559515 | uORF | Ref |
| Homo sapiens integrin-linked kinase-associated serine/threonine phosphatase 2C (ILKAP), transcript variant 1, mRNA   | ref | NM_030768.2 | 29171685 | uORF | Ref |
| Homo sapiens gap junction protein, alpha 10, 59kDa (GJA10), mRNA                                                     | ref | NM_030772.1 | 13540536 | uORF | Ref |
| Homo sapiens tubulin, beta 1 (TUBB1), mRNA                                                                           | ref | NM_030773.1 | 13562113 | uORF | Ref |
| Homo sapiens hypothetical protein PRO1331 (PRO1331), mRNA                                                            | ref | NM_030778.1 | 13562115 | uORF | Ref |
| Homo sapiens mitochondrial folate transporter/carrier (MFTC), mRNA                                                   | ref | NM_030780.2 | 21314738 | uORF | Ref |
| Homo sapiens chromosome 9 open reading frame 45 (C9orf45), mRNA                                                      | ref | NM_030814.4 | 54262149 | uORF | Ref |
| Homo sapiens chromosome 20 open reading frame 126 (C20orf126), mRNA                                                  | ref | NM_030815.1 | 18079253 | uORF | Ref |
| Homo sapiens olfactory receptor, family 2, subfamily W, member 1 (OR2W1), mRNA                                       | ref | NM_030903.2 | 50726880 | uORF | Ref |
| Homo sapiens olfactory receptor, family 2, subfamily A, member 4 (OR2A4), mRNA                                       | ref | NM_030908.1 | 13929211 | uORF | Ref |
| Homo sapiens leucine-rich acidic protein-like protein (LANP-L), mRNA                                                 | ref | NM_030920.2 | 13569878 | uORF | Ref |
| Homo sapiens likely ortholog of rat vacuole membrane protein 1 (VMP1), mRNA                                          | ref | NM_030938.2 | 20070348 | uORF | Ref |
| Homo sapiens C1q and tumor necrosis factor related protein 1 (C1QTNF1), mRNA                                         | ref | NM_030968.1 | 13569943 | uORF | Ref |
| Homo sapiens transmembrane protein 14B (TMEM14B), mRNA                                                               | ref | NM_030969.2 | 18373333 | uORF | Ref |
| Homo sapiens sideroflexin 3 (SFXN3), mRNA                                                                            | ref | NM_030971.3 | 49472836 | uORF | Ref |
| Homo sapiens LAS1-like (S. cerevisiae) (LAS1L), mRNA                                                                 | ref | NM_031206.2 | 31542677 | uORF | Ref |
| Homo sapiens hypothetical protein MGC5244 (MGC5244), mRNA                                                            | ref | NM_031213.2 | 21361948 | uORF | Ref |
| Homo sapiens haloacid dehalogenase-like hydrolase domain containing 3 (HDHD3), mRNA                                  | ref | NM_031219.2 | 31377665 | uORF | Ref |
| Homo sapiens chromosome 20 open reading frame 18 (C20orf18), transcript variant 4, mRNA                              | ref | NM_031227.1 | 14043031 | uORF | Ref |
| Homo sapiens alanine-glyoxylate aminotransferase 2-like 1 (AGXT2L1), mRNA                                            | ref | NM_031279.2 | 37574041 | uORF | Ref |
| Homo sapiens hypothetical protein DKFZp761H1710 (DKFZP761H1710), mRNA                                                | ref | NM_031297.1 | 13775217 | uORF | Ref |
| Homo sapiens cell division cycle associated 3 (CDCA3), mRNA                                                          | ref | NM_031299.2 | 20127648 | uORF | Ref |
| Homo sapiens carboxypeptidase, vitellogenic-like (CPVL), transcript variant 1, mRNA                                  | ref | NM_031311.2 | 22027517 | uORF | Ref |
| Homo sapiens collagen, type IV, alpha 3 (Goodpasture antigen) binding protein (COL4A3BP), transcript variant 2, mRNA | ref | NM_031361.1 | 14165451 | uORF | Ref |
| Homo sapiens upstream regulatory element binding protein 1 (UREB1), mRNA                                             | ref | NM_031407.1 | 13929475 | uORF | Ref |
| Homo sapiens GABA(A) receptor-associated protein like 1 (GABARAPL1), mRNA                                            | ref | NM_031412.1 | 13899218 | uORF | Ref |
| Homo sapiens serine/threonine kinase 31 (STK31), transcript variant 1, mRNA                                          | ref | NM_031414.2 | 14602442 | N/A  | Ref |
| Homo sapiens chromosome 14 open reading frame 168 (C14orf168), mRNA                                                  | ref | NM_031427.1 | 13899242 | uORF | Ref |
| Homo sapiens retbindin (RTBDN), mRNA                                                                                 | ref | NM_031429.1 | 13899246 | uORF | Ref |
| Homo sapiens chromosome 7 open reading frame 21 (C7orf21), mRNA                                                      | ref | NM_031434.2 | 31543199 | uORF | Ref |
| Homo sapiens hypothetical protein DKFZp564D0422 (DKFZP564D0422), mRNA                                                | ref | NM_031435.1 | 13899258 | uORF | Ref |
| Homo sapiens aldo-keto reductase loopADR (LoopADR), mRNA                                                             | ref | NM_031436.1 | 13899260 | uORF | Ref |
| Homo sapiens SRY (sex determining region Y)-box 7 (SOX7), mRNA                                                       | ref | NM_031439.1 | 13899268 | uORF | Ref |
| Homo sapiens hypothetical protein MGC4268 (MGC4268), mRNA                                                            | ref | NM_031445.1 | 13899276 | uORF | Ref |
| Homo sapiens hypothetical protein MGC2560 (MGC2560), mRNA                                                            | ref | NM_031452.1 | 13899288 | uORF | Ref |
| Homo sapiens hypothetical protein MGC13204 (MGC13204), mRNA                                                          | ref | NM_031465.2 | 52138573 | uORF | Ref |
| Homo sapiens calneuron 1 (CALN1), mRNA                                                                               | ref | NM_031468.1 | 13899314 | uORF | Ref |
| Homo sapiens tRNA splicing 2' phosphotransferase 1 (MGC11134), mRNA                                                  | ref | NM_031472.1 | 13899324 | uORF | Ref |
| Homo sapiens carnitine deficiency-associated gene expressed in ventricle 1 (CDV-1), mRNA                             | ref | NM_031473.1 | 13899320 | uORF | Ref |
| Homo sapiens hypothetical protein MGC10500 (MGC10500), mRNA                                                          | ref | NM_031477.1 | 13899333 | uORF | Ref |
| Homo sapiens APG10 autophagy 10-like (S. cerevisiae) (APG10L), mRNA                                                  | ref | NM_031482.3 | 33589825 | uORF | Ref |
| Homo sapiens retinol binding protein 5, cellular (RBP5), mRNA                                                        | ref | NM_031491.1 | 13899351 | uORF | Ref |
| Homo sapiens protocadherin alpha 2 (PCDHA2), transcript variant 3, mRNA                                              | ref | NM_031496.1 | 14165406 | uORF | Ref |
| Homo sapiens calcium channel, voltage-dependent, gamma subunit 7 (CACNG7), mRNA                                      | ref | NM_031896.3 | 22027498 | uORF | Ref |
| Homo sapiens C1q and tumor necrosis factor related protein 6 (C1QTNF6), mRNA                                         | ref | NM_031910.2 | 21361984 | uORF | Ref |
| Homo sapiens radial spokehead-like 2 (RSHL2), mRNA                                                                   | ref | NM_031924.2 | 21361996 | uORF | Ref |
| Homo sapiens G protein-coupled receptor 61 (GPR61), mRNA                                                             | ref | NM_031936.2 | 19923637 | uORF | Ref |
| Homo sapiens Kap37 protein (KSP37), mRNA                                                                             | ref | NM_031950.1 | 13994344 | uORF | Ref |
| Homo sapiens potassium channel tetramerisation domain containing 10 (KCTD10), mRNA                                   | ref | NM_031954.2 | 31377664 | uORF | Ref |
| Homo sapiens polypyrimidine tract binding protein 1 (PTBP1), transcript variant 3, mRNA                              | ref | NM_031991.1 | 14165465 | uORF | Ref |
| Homo sapiens Williams-Beuren syndrome chromosome region 1 (WBSCR1), transcript variant 2, mRNA                       | ref | NM_031992.1 | 14702179 | uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein S24 (MRPS24), nuclear gene encoding mitochondrial protein, mRNA         | ref | NM_032014.1 | 15721936 | uORF | Ref |
| Homo sapiens serine/threonine kinase 40 (STK40), mRNA                                                                | ref | NM_032017.1 | 31543197 | uORF | Ref |
| Homo sapiens Ras association (RalGDS/AF-6) domain family 4 (RASSF4), transcript variant 1, mRNA                      | ref | NM_032023.3 | 30474866 | uORF | Ref |
| Homo sapiens family with sequence similarity 14, member A (FAM14A), mRNA                                             | ref | NM_032036.2 | 50511937 | uORF | Ref |
| Homo sapiens serine/threonine protein kinase SSTK (SSTK), mRNA                                                       | ref | NM_032037.2 | 51477706 | uORF | Ref |
| Homo sapiens hypothetical protein DKFZp564D172 (DKFZP564D172), mRNA                                                  | ref | NM_032042.2 | 21362017 | uORF | Ref |
| Homo sapiens UDP-GlcNAc6betaGal beta-1,3-N-acetylglucosaminyltransferase 5 (B3GNT5), mRNA                            | ref | NM_032047.2 | 15451895 | uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein L14 (MRPL14), nuclear gene encoding mitochondrial protein, mRNA         | ref | NM_032111.2 | 55769542 | uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein L43 (MRPL43), mRNA                                                      | ref | NM_032112.1 | 14149761 | uORF | Ref |
| Homo sapiens GAJ protein (GAJ), mRNA                                                                                 | ref | NM_032117.1 | 14149768 | uORF | Ref |
| Homo sapiens dystrobrein binding protein 1 (DTNBP1), mRNA                                                            | ref | NM_032122.2 | 19549326 | uORF | Ref |
| Homo sapiens haloacid dehalogenase-like hydrolase domain containing 2 (HDHD2), mRNA                                  | ref | NM_032124.3 | 34222341 | uORF | Ref |
| Homo sapiens hypothetical protein DKFZp434E2318 (DKFZP434E2318), mRNA                                                | ref | NM_032138.2 | 21359971 | uORF | Ref |
| Homo sapiens ADP-ribosylation factor-like 6 (ARL6), mRNA                                                             | ref | NM_032146.2 | 21314750 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ12519 (FLJ12519), mRNA                                                          | ref | NM_032168.1 | 29789282 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ12592 (FLJ12592), mRNA                                                          | ref | NM_032169.2 | 21314746 | uORF | Ref |
| Homo sapiens KIAA0157 protein (KIAA0157), mRNA                                                                       | ref | NM_032182.2 | 20127649 | uORF | Ref |
| Homo sapiens AYP1 protein (AYP1), mRNA                                                                               | ref | NM_032193.1 | 14149884 | uORF | Ref |
| Homo sapiens activating signal cointegrator 1 complex subunit 2 (ASCC2), mRNA                                        | ref | NM_032204.3 | 34147616 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ21977 (FLJ21977), mRNA                                                          | ref | NM_032213.2 | 21362031 | uORF | Ref |
| Homo sapiens Src-like-adaptor 2 (SLA2), mRNA                                                                         | ref | NM_032214.1 | 14149915 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ23356 (FLJ23356), mRNA                                                          | ref | NM_032237.1 | 14149945 | N/A  | Ref |
| Homo sapiens zinc finger, MYND domain containing 12 (ZMYND12), mRNA                                                  | ref | NM_032257.2 | 21359966 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ14936 (FLJ14936), mRNA                                                          | ref | NM_032284.1 | 14149988 | uORF | Ref |
| Homo sapiens hypothetical protein MGC10870 (MGC10870), mRNA                                                          | ref | NM_032301.1 | 14150057 | uORF | Ref |
| Homo sapiens hypothetical protein MGC10940 (MGC10940), mRNA                                                          | ref | NM_032303.1 | 14150061 | uORF | Ref |
| Homo sapiens spermatogenesis associated 11 (SPATA11), mRNA                                                           | ref | NM_032306.2 | 39930600 | uORF | Ref |
| Homo sapiens hypothetical protein MGC4189 (MGC4189), mRNA                                                            | ref | NM_032308.1 | 14149614 | uORF | Ref |
| Homo sapiens hippocampus abundant gene transcript-like 2 (HIATL2), mRNA                                              | ref | NM_032311.1 | 14150087 | uORF | Ref |
| Homo sapiens hypothetical protein MGC13186 (MGC13186), mRNA                                                          | ref | NM_032324.1 | 14150099 | uORF | Ref |
| Homo sapiens hypothetical protein MGC12458 (MGC12458), mRNA                                                          | ref | NM_032328.1 | 14150107 | uORF | Ref |
| Homo sapiens calpain small subunit 2 (CAPNS2), mRNA                                                                  | ref | NM_032330.1 | 14161691 | uORF | Ref |
| Homo sapiens hypothetical protein MGC2408 (MGC2408), mRNA                                                            | ref | NM_032331.1 | 14150111 | uORF | Ref |

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| Homo sapiens mitogen-activated protein kinase organizer 1 (MGC4238), mRNA                                                             | ref | NM_032332.2 | 39725850 | uORF | Ref |
| Homo sapiens hypothetical protein MGC14817 (MGC14817), mRNA                                                                           | ref | NM_032338.2 | 31543151 | uORF | Ref |
| Homo sapiens hypothetical protein MGC14844 (MGC14844), mRNA                                                                           | ref | NM_032341.1 | 14150129 | uORF | Ref |
| Homo sapiens coiled-coil-helix-coiled-coil-helix domain containing 6 (CHCHD6), mRNA                                                   | ref | NM_032343.1 | 14150133 | uORF | Ref |
| Homo sapiens PYM protein (PYM), mRNA                                                                                                  | ref | NM_032345.1 | 14150138 | uORF | Ref |
| Homo sapiens hypothetical protein MGC11275 (SDOS), mRNA                                                                               | ref | NM_032349.1 | 14150146 | uORF | Ref |
| Homo sapiens hypothetical protein MGC11257 (MGC11257), mRNA                                                                           | ref | NM_032350.3 | 40789263 | uORF | Ref |
| Homo sapiens hypothetical protein MGC10744 (MGC10744), mRNA                                                                           | ref | NM_032354.1 | 14150156 | uORF | Ref |
| Homo sapiens hypothetical protein MGC4308 (MGC4308), mRNA                                                                             | ref | NM_032359.1 | 14150166 | uORF | Ref |
| Homo sapiens hypothetical protein MGC2404 (MGC2404), mRNA                                                                             | ref | NM_032360.1 | 14150168 | uORF | Ref |
| Homo sapiens THO complex 3 (THOC3), mRNA                                                                                              | ref | NM_032361.1 | 14150170 | uORF | Ref |
| Homo sapiens hypothetical protein MGC15619 (MGC15619), mRNA                                                                           | ref | NM_032369.1 | 14150188 | uORF | Ref |
| Homo sapiens hypothetical protein MGC16202 (MGC16202), mRNA                                                                           | ref | NM_032373.1 | 14150196 | uORF | Ref |
| Homo sapiens protocadherin gamma subfamily C, 3 (PODHG3), transcript variant 3, mRNA                                                  | ref | NM_032403.1 | 14277678 | uORF | Ref |
| Homo sapiens PTEN induced putative kinase 1 (PINK1), mRNA                                                                             | ref | NM_032409.1 | 14165271 | N/A  | Ref |
| Homo sapiens phytanoyl-CoA hydroxylase interacting protein-like (PHYHPL), mRNA                                                        | ref | NM_032439.1 | 33469020 | uORF | Ref |
| Homo sapiens KIAA1838 (KIAA1838), mRNA                                                                                                | ref | NM_032448.1 | 24308333 | uORF | Ref |
| Homo sapiens embryonal Fyn-associated substrate (EFS), transcript variant 2, mRNA                                                     | ref | NM_032459.1 | 14589875 | uORF | Ref |
| Homo sapiens SPANX family, member B1 (SPANXB1), mRNA                                                                                  | ref | NM_032461.2 | 22027490 | uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein S6 (MRPS6), nuclear gene encoding mitochondrial protein, mRNA                            | ref | NM_032476.1 | 16554615 | uORF | Ref |
| Homo sapiens PEPP subfamily gene 2 (PEPP-2), mRNA                                                                                     | ref | NM_032498.1 | 14249118 | uORF | Ref |
| Homo sapiens hypothetical protein HH114 (HH114), mRNA                                                                                 | ref | NM_032499.1 | 14210511 | uORF | Ref |
| Homo sapiens KIAA1841 protein (KIAA1841), mRNA                                                                                        | ref | NM_032506.1 | 47575698 | uORF | Ref |
| Homo sapiens RNA binding motif protein 13 (RBM13), mRNA                                                                               | ref | NM_032509.2 | 31543090 | uORF | Ref |
| Homo sapiens small proline rich-like (epidermal differentiation complex) 6A (SPRL6A), mRNA                                            | ref | NM_032563.1 | 14211868 | uORF | Ref |
| Homo sapiens diacylglycerol O-acyltransferase homolog 2 (mouse) (DGAT2), mRNA                                                         | ref | NM_032564.1 | 14211870 | uORF | Ref |
| Homo sapiens testis-specific protein NYD-TSP1 (NYD-TSP1), mRNA                                                                        | ref | NM_032567.1 | 14211876 | uORF | Ref |
| Homo sapiens methylmalonyl CoA epimerase (MCEE), mRNA                                                                                 | ref | NM_032601.2 | 21314761 | uORF | Ref |
| Homo sapiens GTP binding protein 3 (mitochondrial) (GTPBP3), mRNA                                                                     | ref | NM_032620.1 | 14249125 | uORF | Ref |
| Homo sapiens chromosome 7 open reading frame 13 (C7orf13), mRNA                                                                       | ref | NM_032625.1 | 14249145 | uORF | Ref |
| Homo sapiens cyclin-dependent kinase 2-interacting protein (CINP), mRNA                                                               | ref | NM_032630.2 | 21327682 | uORF | Ref |
| Homo sapiens poly(A) polymerase alpha (PAPOLA), mRNA                                                                                  | ref | NM_032632.3 | 47834324 | uORF | Ref |
| Homo sapiens p53-regulated DDA3 (DDA3), mRNA                                                                                          | ref | NM_032636.2 | 16306570 | uORF | Ref |
| Homo sapiens likely ortholog of mouse gene rich cluster, C9 gene (GRCC9), mRNA                                                        | ref | NM_032641.1 | 14249177 | uORF | Ref |
| Homo sapiens interferon regulatory factor 5 (IRF5), transcript variant 2, mRNA                                                        | ref | NM_032643.3 | 38683858 | uORF | Ref |
| Homo sapiens hypothetical protein MGC10997 (MGC10997), mRNA                                                                           | ref | NM_032655.1 | 14249205 | uORF | Ref |
| Homo sapiens hypothetical protein MGC10600 (MGC10600), mRNA                                                                           | ref | NM_032662.1 | 14249219 | uORF | Ref |
| Homo sapiens likely ortholog of mouse nervous system polycomb 1 (NSPC1), mRNA                                                         | ref | NM_032673.1 | 14249239 | uORF | Ref |
| Homo sapiens hypothetical protein MGC10955 (MGC10955), mRNA                                                                           | ref | NM_032676.1 | 14249245 | uORF | Ref |
| Homo sapiens hypothetical protein MGC11082 (MGC11082), mRNA                                                                           | ref | NM_032691.1 | 14249275 | uORF | Ref |
| Homo sapiens hypothetical protein MGC10646 (MGC10646), mRNA                                                                           | ref | NM_032693.1 | 14249279 | uORF | Ref |
| Homo sapiens tubulin alpha 6 (TUBA6), mRNA                                                                                            | ref | NM_032704.1 | 14388308 | uORF | Ref |
| Homo sapiens MGC13170 gene (MGC13170), mRNA                                                                                           | ref | NM_032712.1 | 14249313 | uORF | Ref |
| Homo sapiens chromosome 9 open reading frame 67 (C9orf67), mRNA                                                                       | ref | NM_032728.2 | 34147435 | uORF | Ref |
| Homo sapiens thioredoxin (Trx)-related protein, 14 kDa (TRP14), mRNA                                                                  | ref | NM_032731.2 | 21362103 | uORF | Ref |
| Homo sapiens hypothetical protein MGC15705 (MGC15705), mRNA                                                                           | ref | NM_032757.1 | 14249395 | uORF | Ref |
| Homo sapiens tripartite motif-containing 52 (TRIM52), mRNA                                                                            | ref | NM_032765.1 | 14249411 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ14360 (FLJ14360), mRNA                                                                           | ref | NM_032775.1 | 14249431 | uORF | Ref |
| Homo sapiens protein tyrosine phosphatase, non-receptor type 5 (striatum-enriched) (PTPN5), mRNA                                      | ref | NM_032781.2 | 22095374 | uORF | Ref |
| Homo sapiens thrombospondin, type I, domain 2 (THSD2), mRNA                                                                           | ref | NM_032784.2 | 18490981 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ14451 (FLJ14451), mRNA                                                                           | ref | NM_032786.1 | 14249451 | uORF | Ref |
| Homo sapiens chromosome 9 open reading frame 54 (C9orf54), mRNA                                                                       | ref | NM_032809.2 | 19923651 | uORF | Ref |
| Homo sapiens chromosome 7 open reading frame 19 (C7orf19), mRNA                                                                       | ref | NM_032831.1 | 14249537 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ14775 (FLJ14775), mRNA                                                                           | ref | NM_032837.1 | 14249549 | uORF | Ref |
| Homo sapiens microtubule associated serine/threonine kinase-like (MASTL), mRNA                                                        | ref | NM_032844.1 | 14249561 | N/A  | Ref |
| Homo sapiens hypothetical protein FLJ14827 (FLJ14827), mRNA                                                                           | ref | NM_032848.1 | 14249569 | uORF | Ref |
| Homo sapiens hematopoietic SH2 protein (HSH2), mRNA                                                                                   | ref | NM_032855.1 | 14249583 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ14904 (FLJ14904), mRNA                                                                           | ref | NM_032858.1 | 14249589 | uORF | Ref |
| Homo sapiens chromosome 6 open reading frame 93 (C6orf93), mRNA                                                                       | ref | NM_032860.2 | 21361874 | uORF | Ref |
| Homo sapiens Cbl-interacting protein Sts-1 (STS-1), mRNA                                                                              | ref | NM_032873.3 | 52352812 | uORF | Ref |
| Homo sapiens hypothetical protein MGC15827 (MGC15827), mRNA                                                                           | ref | NM_032882.1 | 14249633 | uORF | Ref |
| Homo sapiens chromosome 20 open reading frame 100 (C20orf100), mRNA                                                                   | ref | NM_032883.1 | 14249635 | uORF | Ref |
| Homo sapiens hypothetical protein MGC14156 (MGC14156), mRNA                                                                           | ref | NM_032906.2 | 34147448 | uORF | Ref |
| Homo sapiens hypothetical protein MGC14407 (MGC14407), mRNA                                                                           | ref | NM_032908.1 | 14249683 | uORF | Ref |
| Homo sapiens hypothetical protein MGC15737 (MGC15737), mRNA                                                                           | ref | NM_032926.1 | 14249717 | uORF | Ref |
| Homo sapiens ubiquitin specific protease 45 (USP45), mRNA                                                                             | ref | NM_032929.1 | 14249723 | uORF | Ref |
| Homo sapiens chemokine (C-C motif) ligand 14 (CCL14), transcript variant 3, mRNA                                                      | ref | NM_032963.1 | 14589960 | uORF | Ref |
| Homo sapiens general transcription factor II, i (GTF2D), transcript variant 5, mRNA                                                   | ref | NM_033003.1 | 14670357 | uORF | Ref |
| Homo sapiens PCTAIRE protein kinase 1 (PCTK1), transcript variant 3, mRNA                                                             | ref | NM_033019.1 | 15011927 | uORF | Ref |
| Homo sapiens bol, boule-like (Drosophila) (BOLL), mRNA                                                                                | ref | NM_033030.2 | 22027644 | uORF | Ref |
| Homo sapiens rhotekin (RTKN), mRNA                                                                                                    | ref | NM_033046.1 | 19526470 | uORF | Ref |
| Homo sapiens CPX chromosome region, candidate 1 (CPXCR1), mRNA                                                                        | ref | NM_033048.1 | 14780891 | uORF | Ref |
| Homo sapiens ataxia, cerebellar, Cayman type (caytaxin) (ATCAY), mRNA                                                                 | ref | NM_033064.1 | 29336042 | uORF | Ref |
| Homo sapiens chromosome 6 open reading frame 114 (C6orf114), mRNA                                                                     | ref | NM_033069.1 | 14861857 | uORF | Ref |
| Homo sapiens ELL (eleven nineteen lysine-rich leukemia gene)-associated factor 1 (EAF1), mRNA                                         | ref | NM_033083.1 | 14861849 | uORF | Ref |
| Homo sapiens prostein protein (Prostein), mRNA                                                                                        | ref | NM_033102.1 | 14916436 | uORF | Ref |
| Homo sapiens rhophilin-like protein (LOC85415), mRNA                                                                                  | ref | NM_033103.1 | 14916438 | uORF | Ref |
| Homo sapiens beta cysteine string protein (LOC85479), mRNA                                                                            | ref | NM_033105.1 | 14916442 | uORF | Ref |
| Homo sapiens hypothetical protein MGC16169 (MGC16169), mRNA                                                                           | ref | NM_033115.1 | 14916462 | N/A  | Ref |
| Homo sapiens testis development protein NYD-SP26 (NYD-SP26), mRNA                                                                     | ref | NM_033122.1 | 14916450 | uORF | Ref |
| Homo sapiens surfeit 4 (SURF4), mRNA                                                                                                  | ref | NM_033161.2 | 19593984 | uORF | Ref |
| Homo sapiens HLA-B associated transcript 4 (BAT4), mRNA                                                                               | ref | NM_033177.2 | 18375635 | uORF | Ref |
| Homo sapiens chromosome 16 open reading frame 45 (C16orf45), mRNA                                                                     | ref | NM_033201.1 | 24308353 | uORF | Ref |
| Homo sapiens protein phosphatase 1, regulatory (inhibitor) subunit 14A (PPP1R14A), mRNA                                               | ref | NM_033256.1 | 15147249 | uORF | Ref |
| Homo sapiens isopentenyl-diphosphate delta isomerase 2 (IDI2), mRNA                                                                   | ref | NM_033261.2 | 21361855 | uORF | Ref |
| Homo sapiens caspase 1, apoptosis-related cysteine protease (interleukin 1, beta, convertase) (CASP1), transcript variant gamma, mRNA | ref | NM_033293.1 | 15431329 | uORF | Ref |
| Homo sapiens antigen p97 (melanoma associated) identified by monoclonal antibodies 133.2 and 96.5 (MF12), transcript variant 2, mRNA  | ref | NM_033316.2 | 16933548 | uORF | Ref |
| Homo sapiens hypothetical gene ZDS2F10 (ZDS2F10), mRNA                                                                                | ref | NM_033317.1 | 15277322 | uORF | Ref |
| Homo sapiens regulator of G-protein signalling 8 (RGS8), mRNA                                                                         | ref | NM_033345.1 | 16117776 | uORF | Ref |
| Homo sapiens KIAA1754 (KIAA1754), mRNA                                                                                                | ref | NM_033397.2 | 47271452 | uORF | Ref |
| Homo sapiens U3 snoRNP protein 4 homolog (IMP4), mRNA                                                                                 | ref | NM_033416.1 | 15529981 | uORF | Ref |
| Homo sapiens granzyme H (cathepsin G-like 2, protein h-CCPX) (GZMH), mRNA                                                             | ref | NM_033423.1 | 15529989 | uORF | Ref |
| Homo sapiens inosine triphosphatase (nucleoside triphosphate pyrophosphatase) (ITPA), transcript variant 1, mRNA                      | ref | NM_033453.2 | 31657145 | uORF | Ref |
| Homo sapiens kelch-like 13 (Drosophila) (KLHL13), mRNA                                                                                | ref | NM_033495.2 | 45643137 | uORF | Ref |
| Homo sapiens mitofusin 1 (MFN1), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA                              | ref | NM_033540.2 | 45269136 | uORF | Ref |
| Homo sapiens chromosome 20 open reading frame 35 (C20orf35), mRNA                                                                     | ref | NM_033542.2 | 56676380 | uORF | Ref |
| Homo sapiens hypothetical gene MGC16733 similar to CG12113 (MGC16733), mRNA                                                           | ref | NM_033547.1 | 15809017 | uORF | Ref |
| Homo sapiens cell division cycle 2-like 2 (CDC2L2), transcript variant 10, mRNA                                                       | ref | NM_033621.1 | 16357495 | N/A  | Ref |
| Homo sapiens SCAN domain containing 2 (SCAN2), transcript variant 6, mRNA                                                             | ref | NM_033640.1 | 15991824 | uORF | Ref |
| Homo sapiens fibroblast growth factor 13 (FGF13), transcript variant 1B, mRNA                                                         | ref | NM_033642.1 | 16306542 | uORF | Ref |
| Homo sapiens WD repeat domain 4 (WDR4), transcript variant 2, mRNA                                                                    | ref | NM_033661.1 | 16445429 | uORF | Ref |
| Homo sapiens caspase recruitment domain family, member 14 (CARD14), transcript variant 2, mRNA                                        | ref | NM_052819.1 | 16507954 | uORF | Ref |
| Homo sapiens secretory carrier membrane protein 1 (SCAMP1), transcript variant 2, mRNA                                                | ref | NM_052822.1 | 16445413 | uORF | Ref |
| Homo sapiens secretory carrier membrane protein 3 (SCAMP3), transcript variant 2, mRNA                                                | ref | NM_052837.1 | 16445420 | uORF | Ref |
| Homo sapiens septin 1 (SEPT1), mRNA                                                                                                   | ref | NM_052838.2 | 22209006 | uORF | Ref |
| Homo sapiens serine/threonine kinase Z2C (spermogenesis associated) (STK22C), mRNA                                                    | ref | NM_052841.2 | 17017992 | uORF | Ref |
| Homo sapiens hypothetical protein MGC20486 (MGC20486), mRNA                                                                           | ref | NM_052844.1 | 16418346 | uORF | Ref |
| Homo sapiens methylmalonic aciduria (cobalamin deficiency) type B (MMAB), mRNA                                                        | ref | NM_052845.1 | 16418348 | uORF | Ref |
| Homo sapiens hypothetical protein MGC20255 (MGC20255), mRNA                                                                           | ref | NM_052848.1 | 16418350 | uORF | Ref |
| Homo sapiens hypothetical zinc finger protein MGC2396 (MGC2396), mRNA                                                                 | ref | NM_052852.1 | 16604249 | uORF | Ref |
| Homo sapiens hypothetical protein MGC21675 (MGC21675), mRNA                                                                           | ref | NM_052861.1 | 16418362 | uORF | Ref |
| Homo sapiens mediator of RNA polymerase II transcription, subunit 8 homolog (yeast) (MED8), mRNA                                      | ref | NM_052877.1 | 16418384 | uORF | Ref |
| Homo sapiens hypothetical protein MGC20781 (MGC20781), mRNA                                                                           | ref | NM_052935.1 | 16418414 | uORF | Ref |
| Homo sapiens Fc receptor-like protein 1 (FCRH1), mRNA                                                                                 | ref | NM_052938.2 | 21361835 | uORF | Ref |
| Homo sapiens nitric oxide synthase trafficker (NOSTRN), mRNA                                                                          | ref | NM_052946.1 | 16418430 | uORF | Ref |
| Homo sapiens WD repeat and FYVE domain containing 2 (WDFY2), mRNA                                                                     | ref | NM_052950.2 | 18379351 | uORF | Ref |
| Homo sapiens cyclin-dependent kinase (CDK2-like) 10 (CDK10), transcript variant 2, mRNA                                               | ref | NM_052987.1 | 16950646 | N/A  | Ref |
| Homo sapiens HCCA2 protein (HCCA2), mRNA                                                                                              | ref | NM_053005.2 | 34594668 | uORF | Ref |
| Homo sapiens serine/threonine kinase Z2B (spermogenesis associated) (STK22B), mRNA                                                    | ref | NM_053006.1 | 16507244 | uORF | Ref |
| Homo sapiens hypothetical protein MGC14327 (MGC14327), mRNA                                                                           | ref | NM_053045.1 | 16596685 | uORF | Ref |
| Homo sapiens egl nine homolog 2 (C. elegans) (EGLN2), transcript variant 1, mRNA                                                      | ref | NM_053046.2 | 18141576 | uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein L53 (MRPL53), nuclear gene encoding mitochondrial protein, mRNA                          | ref | NM_053050.2 | 22035595 | uORF | Ref |
| Homo sapiens C-terminal modulator protein (CTMP), transcript variant 1, mRNA                                                          | ref | NM_053055.2 | 29029562 | uORF | Ref |
| Homo sapiens cyclin D1 (PRAD1) parathyroid adenomatosis 1) (CCND1), mRNA                                                              | ref | NM_053056.1 | 16950654 | uORF | Ref |
| Homo sapiens ubiquitin 1 (UBQLN1), transcript variant 2, mRNA                                                                         | ref | NM_053067.1 | 16753204 | uORF | Ref |

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|---------------------------------------------------------------------------------------------------------------|-----|-------------|----------|------|-----|
| Homo sapiens G protein-coupled receptor 102 (GPR102), mRNA                                                    | ref | NM_053278.1 | 16751916 | uORF | Ref |
| Homo sapiens dermcidin (DCD), mRNA                                                                            | ref | NM_053283.1 | 16751920 | uORF | Ref |
| Homo sapiens tektin 1 (TEKT1), mRNA                                                                           | ref | NM_053285.1 | 16752320 | uORF | Ref |
| Homo sapiens argininosuccinate synthetase (ASS), transcript variant 2, mRNA                                   | ref | NM_054012.1 | 16950632 | uORF | Ref |
| Homo sapiens FUS interacting protein (serine-arginine rich) 1 (FUSIP1), transcript variant 2, mRNA            | ref | NM_054016.1 | 16905518 | uORF | Ref |
| Homo sapiens cation channel, sperm associated 2 (CATSPER2), transcript variant 1, mRNA                        | ref | NM_054020.2 | 26051221 | uORF | Ref |
| Homo sapiens secretoglobin, family 3A, member 2 (SCGB3A2), mRNA                                               | ref | NM_054023.2 | 21359975 | uORF | Ref |
| Homo sapiens G protein-coupled receptor MRGX2 (MRGX2), mRNA                                                   | ref | NM_054030.1 | 16876450 | uORF | Ref |
| Homo sapiens FK506 binding protein 1B, 12.6 kDa (FKBP1B), transcript variant 2, mRNA                          | ref | NM_054033.1 | 17149838 | uORF | Ref |
| Homo sapiens vacuolar protein sorting 29 (yeast) (VPS29), transcript variant 2, mRNA                          | ref | NM_057180.1 | 17402911 | uORF | Ref |
| Homo sapiens loss of heterozygosity, 12, chromosomal region 1 (LOH12CR1), mRNA                                | ref | NM_058169.1 | 17257998 | uORF | Ref |
| Homo sapiens olfactomedin 1 (OLFM1), transcript variant 3, mRNA                                               | ref | NM_058199.1 | 17136144 | uORF | Ref |
| Homo sapiens RAD51 homolog C (S. cerevisiae) (RAD51C), transcript variant 3, mRNA                             | ref | NM_058217.1 | 17402897 | uORF | Ref |
| Homo sapiens cyclin-dependent kinase inhibitor 1A (p21, Cip1) (CDKN1A), transcript variant 2, mRNA            | ref | NM_078467.1 | 17978494 | uORF | Ref |
| Homo sapiens butyrophilin, subfamily 2, member A1 (BTN2A1), transcript variant 2, mRNA                        | ref | NM_078476.1 | 17975771 | uORF | Ref |
| Homo sapiens myosin, light polypeptide 1, alkali, skeletal, fast (MYL1), transcript variant 3f, mRNA          | ref | NM_079422.1 | 17986274 | uORF | Ref |
| Homo sapiens secretory carrier membrane protein 4 (SCAMP4), mRNA                                              | ref | NM_079834.1 | 17738286 | uORF | Ref |
| Homo sapiens C-type lectin-like receptor (CLEC-6), mRNA                                                       | ref | NM_080387.1 | 17933769 | uORF | Ref |
| Homo sapiens S100 calcium binding protein A16 (S100A16), mRNA                                                 | ref | NM_080388.1 | 17933771 | uORF | Ref |
| Homo sapiens protein tyrosine phosphatase, non-receptor type 2 (PTPN2), transcript variant 3, mRNA            | ref | NM_080423.1 | 18104981 | uORF | Ref |
| Homo sapiens protein tyrosine phosphatase, non-receptor type 6 (PTPN6), transcript variant 2, mRNA            | ref | NM_080548.1 | 18104990 | uORF | Ref |
| Homo sapiens chromosome 20 open reading frame 70 (C20orf70), mRNA                                             | ref | NM_080574.2 | 46309852 | uORF | Ref |
| Homo sapiens calcyphosine (CAPS), transcript variant 2, mRNA                                                  | ref | NM_080590.1 | 18104963 | uORF | Ref |
| Homo sapiens HLA-B associated transcript 1 (BAT1), transcript variant 2, mRNA                                 | ref | NM_080598.2 | 19913438 | uORF | Ref |
| Homo sapiens sterile alpha motif domain containing 10 (SAMD10), mRNA                                          | ref | NM_080621.3 | 46048184 | uORF | Ref |
| Homo sapiens similar to RIKEN cDNA 5730421E18 gene (MGC14788), mRNA                                           | ref | NM_080650.1 | 18087808 | uORF | Ref |
| Homo sapiens thyroid hormone receptor associated protein 6 (THRAP6), mRNA                                     | ref | NM_080651.1 | 18087810 | uORF | Ref |
| Homo sapiens ATPase, H+ transporting, lysosomal 31kD, V1 subunit E-like 2 (ATP6V1E2), mRNA                    | ref | NM_080653.1 | 18087814 | uORF | Ref |
| Homo sapiens aspartoacylase-3 (ACY-3), mRNA                                                                   | ref | NM_080658.1 | 18087824 | uORF | Ref |
| Homo sapiens similar to RIKEN cDNA 2310030G06 gene (MGC14839), mRNA                                           | ref | NM_080659.1 | 18087826 | uORF | Ref |
| Homo sapiens chromosome 14 open reading frame 126 (C14orf126), mRNA                                           | ref | NM_080664.1 | 18087836 | uORF | Ref |
| Homo sapiens sperm associated antigen 4-like (SPAG4L), mRNA                                                   | ref | NM_080675.2 | 21361791 | uORF | Ref |
| Homo sapiens hypothetical protein MGC4473 (MGC4473), mRNA                                                     | ref | NM_080719.1 | 18129625 | uORF | Ref |
| Homo sapiens chromosome 20 open reading frame 141 (C20orf141), mRNA                                           | ref | NM_080739.1 | 18152770 | uORF | Ref |
| Homo sapiens ring finger protein 36 (RNF36), transcript variant 2, mRNA                                       | ref | NM_080745.1 | 18152780 | uORF | Ref |
| Homo sapiens signal-regulatory protein beta 2 (SIRPB2), transcript variant 2, mRNA                            | ref | NM_080816.1 | 18426908 | uORF | Ref |
| Homo sapiens G protein-coupled receptor 82 (GPR82), mRNA                                                      | ref | NM_080817.1 | 18201869 | uORF | Ref |
| Homo sapiens protein tyrosine phosphatase, receptor type, A (PTPRA), transcript variant 2, mRNA               | ref | NM_080840.1 | 18450368 | uORF | Ref |
| Homo sapiens dual specificity phosphatase 19 (DUSP19), mRNA                                                   | ref | NM_080876.2 | 31377625 | uORF | Ref |
| Homo sapiens exonuclease 1 (EXO1), transcript variant 2, mRNA                                                 | ref | NM_130398.1 | 18491015 | uORF | Ref |
| Homo sapiens MAX interacting protein 1 (MXI1), transcript variant 2, mRNA                                     | ref | NM_130439.1 | 18641367 | uORF | Ref |
| Homo sapiens jun dimerization protein 2 (JDP2), mRNA                                                          | ref | NM_130469.1 | 18497305 | uORF | Ref |
| Homo sapiens G antigen, family D, 3 (GAGED3), mRNA                                                            | ref | NM_130777.1 | 19747282 | uORF | Ref |
| Homo sapiens regulator of G-protein signalling 18 (RGS18), mRNA                                               | ref | NM_130782.1 | 18640749 | uORF | Ref |
| Homo sapiens WW domain containing oxidoreductase (WWOX), transcript variant 4, mRNA                           | ref | NM_130788.1 | 18860879 | uORF | Ref |
| Homo sapiens hypothetical protein MGC12103 (LOC133619), mRNA                                                  | ref | NM_130809.2 | 31377624 | uORF | Ref |
| Homo sapiens hypothetical protein MGC4562 (MGC4562), mRNA                                                     | ref | NM_133375.2 | 34147483 | uORF | Ref |
| Homo sapiens transcriptional adaptor 3 (NGG1 homolog, yeast)-like (TADA3L), transcript variant 2, mRNA        | ref | NM_133480.1 | 19743893 | uORF | Ref |
| Homo sapiens TRAF family member-associated NFKB activator (TANK), transcript variant 2, mRNA                  | ref | NM_133484.1 | 19743570 | uORF | Ref |
| Homo sapiens RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae) (RAD51), transcript variant 2, mRNA        | ref | NM_133487.1 | 19924134 | uORF | Ref |
| Homo sapiens solute carrier family 30 (zinc transporter), member 7 (SLC30A7), mRNA                            | ref | NM_133496.3 | 41529827 | uORF | Ref |
| Homo sapiens regulatory factor X, 3 (influences HLA class II expression) (RFX3), transcript variant 2, mRNA   | ref | NM_134428.1 | 19743883 | uORF | Ref |
| Homo sapiens cAMP responsive element binding protein 1 (CREB1), transcript variant B, mRNA                    | ref | NM_134442.2 | 22219460 | uORF | Ref |
| Homo sapiens BCL2/adenovirus E1B 19kD interacting protein like (BNPL), mRNA                                   | ref | NM_138278.1 | 19923079 | uORF | Ref |
| Homo sapiens citrate lyase beta like (CLYBL), mRNA                                                            | ref | NM_138280.1 | 19923087 | uORF | Ref |
| Homo sapiens chromosome 14 open reading frame 147 (C14orf147), mRNA                                           | ref | NM_138288.1 | 19923718 | uORF | Ref |
| Homo sapiens actin-related protein T1 (ACTRT1), mRNA                                                          | ref | NM_138289.1 | 19923075 | uORF | Ref |
| Homo sapiens aminocarboxymuconate semialdehyde decarboxylase (ACMSD), mRNA                                    | ref | NM_138326.1 | 21264327 | uORF | Ref |
| Homo sapiens chromosome 9 open reading frame 42 (C9orf42), mRNA                                               | ref | NM_138333.1 | 19923876 | uORF | Ref |
| Homo sapiens hypothetical transmembrane protein SBB154 (SBB154), mRNA                                         | ref | NM_138334.1 | 19923878 | uORF | Ref |
| Homo sapiens hypothetical protein BC008326 (LOC89944), mRNA                                                   | ref | NM_138342.2 | 31543092 | uORF | Ref |
| Homo sapiens hypothetical protein MGC16044 (MGC16044), mRNA                                                   | ref | NM_138371.1 | 19923900 | uORF | Ref |
| Homo sapiens hypothetical protein BC008988 (LOC91937), mRNA                                                   | ref | NM_138379.1 | 19923904 | uORF | Ref |
| Homo sapiens hypothetical protein BC008322 (MGC15763), mRNA                                                   | ref | NM_138381.1 | 19923906 | uORF | Ref |
| Homo sapiens hypothetical protein BC009331 (LOC92305), mRNA                                                   | ref | NM_138385.1 | 19923908 | uORF | Ref |
| Homo sapiens hypothetical protein BC008604 (LOC92691), mRNA                                                   | ref | NM_138390.1 | 19923912 | uORF | Ref |
| Homo sapiens chromosome 6 open reading frame 51 (C6orf51), mRNA                                               | ref | NM_138408.1 | 19923926 | uORF | Ref |
| Homo sapiens hypothetical protein BC011916 (LOC112817), mRNA                                                  | ref | NM_138413.1 | 19923932 | uORF | Ref |
| Homo sapiens hypothetical protein BC011981 (LOC112869), mRNA                                                  | ref | NM_138414.1 | 19923934 | uORF | Ref |
| Homo sapiens hypothetical protein BC011001 (LOC112937), mRNA                                                  | ref | NM_138416.1 | 34147534 | uORF | Ref |
| Homo sapiens DUF729 domain containing 1 (DUF71), mRNA                                                         | ref | NM_138419.1 | 19923940 | uORF | Ref |
| Homo sapiens serine dehydratase related sequence 1 (SDS-RS1), mRNA                                            | ref | NM_138432.1 | 19923958 | uORF | Ref |
| Homo sapiens hypothetical protein BC014003 (LOC115106), mRNA                                                  | ref | NM_138443.1 | 19923970 | uORF | Ref |
| Homo sapiens chromosome 7 open reading frame 30 (C7orf30), mRNA                                               | ref | NM_138446.1 | 19923976 | uORF | Ref |
| Homo sapiens acylphosphatase 2, muscle type (ACYP2), mRNA                                                     | ref | NM_138448.2 | 20336764 | uORF | Ref |
| Homo sapiens hypothetical protein BC013151 (LOC115811), mRNA                                                  | ref | NM_138451.1 | 19923980 | uORF | Ref |
| Homo sapiens RAB3C, member RAS oncogene family (RAB3C), mRNA                                                  | ref | NM_138453.1 | 19923984 | uORF | Ref |
| Homo sapiens hypothetical protein BC014127 (LOC115861), mRNA                                                  | ref | NM_138454.1 | 19923986 | uORF | Ref |
| Homo sapiens collagen triple helix repeat containing 1 (GTHRC1), mRNA                                         | ref | NM_138455.1 | 19923988 | uORF | Ref |
| Homo sapiens hypothetical protein BC013113 (LOC116211), mRNA                                                  | ref | NM_138461.1 | 19923994 | uORF | Ref |
| Homo sapiens zinc finger, MYND domain containing 19 (ZMYND19), mRNA                                           | ref | NM_138462.1 | 19923996 | uORF | Ref |
| Homo sapiens hypothetical protein BC014072 (LOC116238), mRNA                                                  | ref | NM_138463.1 | 19923998 | uORF | Ref |
| Homo sapiens amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 15 (ALS2CR15), mRNA      | ref | NM_138468.3 | 22095387 | uORF | Ref |
| Homo sapiens hypothetical protein BC008131 (LOC142937), mRNA                                                  | ref | NM_138470.1 | 19924002 | uORF | Ref |
| Homo sapiens hypothetical protein BC010522 (LOC149267), mRNA                                                  | ref | NM_138480.1 | 19924012 | uORF | Ref |
| Homo sapiens hypothetical protein BC009264 (LOC151534), mRNA                                                  | ref | NM_138482.1 | 19924014 | uORF | Ref |
| Homo sapiens hypothetical protein BC012033 (LOC153768), mRNA                                                  | ref | NM_138492.1 | 19924020 | uORF | Ref |
| Homo sapiens thymic stromal lymphopoietin (TSLP), transcript variant 2, mRNA                                  | ref | NM_138551.1 | 20143926 | uORF | Ref |
| Homo sapiens neuregulin 4 (LOC145957), mRNA                                                                   | ref | NM_138573.1 | 20070379 | uORF | Ref |
| Homo sapiens hyaluronan synthase 3 (HAS3), transcript variant 2, mRNA                                         | ref | NM_138612.1 | 20302154 | uORF | Ref |
| Homo sapiens BCL2-like 14 (apoptosis facilitator) (BCL2L14), transcript variant 1, mRNA                       | ref | NM_138722.1 | 21040327 | uORF | Ref |
| Homo sapiens ras homolog gene family, member T2 (ARHT2), mRNA                                                 | ref | NM_138769.1 | 20270302 | uORF | Ref |
| Homo sapiens alpha-1,3(6)-mannosylglycoprotein beta-1,6-N-acetylglucosaminyltransferase-like (LOC90693), mRNA | ref | NM_138771.1 | 20270308 | uORF | Ref |
| Homo sapiens hypothetical protein BC015183 (LOC91801), mRNA                                                   | ref | NM_138775.1 | 20270314 | uORF | Ref |
| Homo sapiens mitochondrial ribosome recycling factor (MRRF), mRNA                                             | ref | NM_138777.1 | 20270316 | uORF | Ref |
| Homo sapiens hypothetical protein BC015148 (LOC93081), mRNA                                                   | ref | NM_138779.1 | 20270318 | uORF | Ref |
| Homo sapiens similar to envelope protein (LOC113386), mRNA                                                    | ref | NM_138781.1 | 20270320 | uORF | Ref |
| Homo sapiens hypothetical protein BC014341 (LOC116123), mRNA                                                  | ref | NM_138784.1 | 20270324 | uORF | Ref |
| Homo sapiens chromosome 6 open reading frame 72 (C6orf72), mRNA                                               | ref | NM_138785.1 | 20302037 | uORF | Ref |
| Homo sapiens hypothetical protein BC014339 (LOC116441), mRNA                                                  | ref | NM_138786.1 | 20270326 | uORF | Ref |
| Homo sapiens hypothetical protein BC009561 (LOC119710), mRNA                                                  | ref | NM_138787.1 | 20270328 | uORF | Ref |
| Homo sapiens hypothetical protein BC016153 (LOC120224), mRNA                                                  | ref | NM_138788.1 | 20270330 | uORF | Ref |
| Homo sapiens hypothetical protein BC015003 (LOC122618), mRNA                                                  | ref | NM_138790.1 | 20270334 | uORF | Ref |
| Homo sapiens Ca2+-dependent endoplasmic reticulum nucleoside diphosphatase (SHAPY), mRNA                      | ref | NM_138793.1 | 20270338 | uORF | Ref |
| Homo sapiens lysophospholipase-like 1 (LYPLAL1), mRNA                                                         | ref | NM_138794.1 | 20270340 | uORF | Ref |
| Homo sapiens hypothetical protein BC014608 (LOC128153), mRNA                                                  | ref | NM_138796.1 | 20270344 | uORF | Ref |
| Homo sapiens galactose mutarotase (aldose 1-epimerase) (GALM), mRNA                                           | ref | NM_138801.1 | 20270354 | uORF | Ref |
| Homo sapiens hypothetical protein BC015088 (LOC132001), mRNA                                                  | ref | NM_138807.1 | 20270366 | uORF | Ref |
| Homo sapiens hypothetical protein BC001573 (LOC134147), mRNA                                                  | ref | NM_138809.1 | 20270370 | uORF | Ref |
| Homo sapiens T-cell activation GTPase activating protein (TAGAP), mRNA                                        | ref | NM_138810.1 | 20270372 | uORF | Ref |
| Homo sapiens hypothetical protein BC019250 (LOC143241), mRNA                                                  | ref | NM_138812.1 | 20270376 | uORF | Ref |
| Homo sapiens hypothetical protein BC019095 (LOC158471), mRNA                                                  | ref | NM_138818.1 | 20270384 | uORF | Ref |
| Homo sapiens hypothetical protein BC017868 (LOC158091), mRNA                                                  | ref | NM_138819.1 | 20270386 | uORF | Ref |
| Homo sapiens hypothetical protein MGC2198 (MGC2198), mRNA                                                     | ref | NM_138820.1 | 20270388 | uORF | Ref |
| Homo sapiens vang-like 1 (van gogh; Drosophila) (VANGL1), mRNA                                                | ref | NM_138959.1 | 20373170 | uORF | Ref |
| Homo sapiens mitogen-activated protein kinase 14 (MAPK14), transcript variant 2, mRNA                         | ref | NM_139012.1 | 20988511 | uORF | Ref |
| Homo sapiens pan-hematopoietic expression (PHEMX), transcript variant 4, mRNA                                 | ref | NM_139023.1 | 21070987 | uORF | Ref |
| Homo sapiens casein kinase 1, delta (CSNK1D), transcript variant 2, mRNA                                      | ref | NM_139062.1 | 20544144 | uORF | Ref |
| Homo sapiens Smith-Magenis syndrome chromosome region, candidate 7 (SMCR7), transcript variant 1, mRNA        | ref | NM_139162.2 | 22538487 | uORF | Ref |
| Homo sapiens TruB pseudouridine (psi) synthase homolog 1 (E. coli) (TRUB1), mRNA                              | ref | NM_139169.2 | 22095389 | uORF | Ref |
| Homo sapiens G protein-coupled receptor kinase-interactor 2 (GIT2), transcript variant 4, mRNA                | ref | NM_139201.1 | 21237793 | uORF | Ref |
| Homo sapiens LOC92346 (LOC92346), mRNA                                                                        | ref | NM_139240.2 | 31543098 | uORF | Ref |
| Homo sapiens methionyl-tRNA formyltransferase, mitochondrial (MFMT), mRNA                                     | ref | NM_139242.1 | 21245129 | uORF | Ref |
| Homo sapiens chromosome 9 open reading frame 97 (C9orf97), mRNA                                               | ref | NM_139246.3 | 31377600 | uORF | Ref |
| Homo sapiens multiple coagulation factor deficiency 2 (MCFD2), mRNA                                           | ref | NM_139279.3 | 46852158 | uORF | Ref |

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| Homo sapiens YMEI-like 1 (S. cerevisiae) (YMEI1), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA           | ref | NM_139313.1 | 21327686 | uORF | Ref |
| Homo sapiens claudin 14 (CLDN14), transcript variant 1, mRNA                                                                        | ref | NM_144492.1 | 21536293 | uORF | Ref |
| Homo sapiens oxysterol binding protein-like 2 (OSBP1L2), transcript variant 2, mRNA                                                 | ref | NM_144498.1 | 21450852 | uORF | Ref |
| Homo sapiens ribose 5-phosphate isomerase A (ribose 5-phosphate epimerase) (RPIA), mRNA                                             | ref | NM_144563.1 | 21389336 | uORF | Ref |
| Homo sapiens chromosome 14 open reading frame 32 (C14orf32), mRNA                                                                   | ref | NM_144578.1 | 21389356 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ32919 (FLJ32919), mRNA                                                                         | ref | NM_144588.2 | 22095390 | uORF | Ref |
| Homo sapiens hypothetical protein MGC22805 (MGC22805), mRNA                                                                         | ref | NM_144590.1 | 21389370 | uORF | Ref |
| Homo sapiens Ras homolog enriched in brain like 1 (RHEBL1), mRNA                                                                    | ref | NM_144593.1 | 21389384 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ32942 (FLJ32942), mRNA                                                                         | ref | NM_144594.1 | 21389378 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ30046 (FLJ30046), mRNA                                                                         | ref | NM_144595.1 | 21389388 | uORF | Ref |
| Homo sapiens hypothetical protein MGC32905 (MGC32905), mRNA                                                                         | ref | NM_144602.1 | 21389394 | uORF | Ref |
| Homo sapiens hypothetical protein MGC23445 (MGC23445), mRNA                                                                         | ref | NM_144606.1 | 21389402 | uORF | Ref |
| Homo sapiens hypothetical protein MGC39389 (FLJ32384), mRNA                                                                         | ref | NM_144608.1 | 21389406 | uORF | Ref |
| Homo sapiens cytochrome c oxidase subunit Vlb polypeptide 2 (testis) (COX6B2), mRNA                                                 | ref | NM_144613.3 | 40538807 | uORF | Ref |
| Homo sapiens kinase interacting with leukemia-associated gene (statmin) (KIS), mRNA                                                 | ref | NM_144624.1 | 21389438 | uORF | Ref |
| Homo sapiens chromosome 20 open reading frame 140 (C20orf140), mRNA                                                                 | ref | NM_144628.1 | 21389446 | uORF | Ref |
| Homo sapiens hypothetical protein MGC29956 (MGC29956), mRNA                                                                         | ref | NM_144638.1 | 21389472 | uORF | Ref |
| Homo sapiens synaptoporin (SYNPR), mRNA                                                                                             | ref | NM_144642.1 | 21389480 | uORF | Ref |
| Homo sapiens immunoglobulin J polypeptide, linker protein for immunoglobulin alpha and mu polypeptides (IGJ), mRNA                  | ref | NM_144646.1 | 21489958 | uORF | Ref |
| Homo sapiens hypothetical protein MGC26610 (MGC26610), mRNA                                                                         | ref | NM_144647.1 | 21389520 | uORF | Ref |
| Homo sapiens hypothetical protein MGC29761 (MGC29761), mRNA                                                                         | ref | NM_144654.1 | 21389528 | uORF | Ref |
| Homo sapiens t-complex 10 (mouse)-like (TCP10L), mRNA                                                                               | ref | NM_144659.1 | 21389534 | uORF | Ref |
| Homo sapiens chemokine-like factor super family 2 (CKLFSF2), mRNA                                                                   | ref | NM_144673.1 | 21389556 | uORF | Ref |
| Homo sapiens hypothetical protein MGC23911 (MGC23911), mRNA                                                                         | ref | NM_144676.1 | 21389572 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ31528 (FLJ31528), mRNA                                                                         | ref | NM_144679.1 | 21389578 | uORF | Ref |
| Homo sapiens homeodomain interacting protein kinase 4 (HIPK4), mRNA                                                                 | ref | NM_144685.3 | 34222353 | uORF | Ref |
| Homo sapiens hypothetical protein BC017397 (LOC148523), mRNA                                                                        | ref | NM_144697.1 | 21389604 | uORF | Ref |
| Homo sapiens hypothetical protein MGC27019 (MGC27019), mRNA                                                                         | ref | NM_144705.1 | 21389612 | uORF | Ref |
| Homo sapiens hypothetical protein MGC29762 (MGC29762), mRNA                                                                         | ref | NM_144706.1 | 21389620 | uORF | Ref |
| Homo sapiens septin 10 (SEPT10), mRNA                                                                                               | ref | NM_144710.1 | 21945063 | uORF | Ref |
| Homo sapiens hypothetical protein MGC27069 (FLJ25449), mRNA                                                                         | ref | NM_144714.1 | 21389492 | uORF | Ref |
| Homo sapiens hypothetical protein MGC23918 (MGC23918), mRNA                                                                         | ref | NM_144716.1 | 21389496 | uORF | Ref |
| Homo sapiens hypothetical protein MGC34923 (MGC34923), mRNA                                                                         | ref | NM_144717.1 | 21389498 | uORF | Ref |
| Homo sapiens hypothetical protein PRO1853 (PRO1853), transcript variant 1, mRNA                                                     | ref | NM_144736.3 | 47524169 | uORF | Ref |
| Homo sapiens forkhead box I1 (FOXI1), transcript variant 2, mRNA                                                                    | ref | NM_144769.1 | 21618328 | uORF | Ref |
| Homo sapiens RNA binding motif protein 11 (RBM11), mRNA                                                                             | ref | NM_144770.1 | 21426832 | uORF | Ref |
| Homo sapiens hypothetical protein MGC26641 (MGC26641), mRNA                                                                         | ref | NM_144971.1 | 21699055 | uORF | Ref |
| Homo sapiens family with sequence similarity 31, member B (FAM31B), mRNA                                                            | ref | NM_144977.1 | 21450670 | uORF | Ref |
| Homo sapiens chromosome 6 open reading frame 118 (C6orf118), mRNA                                                                   | ref | NM_144980.1 | 21450668 | uORF | Ref |
| Homo sapiens hypothetical protein MGC23401 (MGC23401), mRNA                                                                         | ref | NM_144982.1 | 21450672 | uORF | Ref |
| Homo sapiens U2(RNU2) small nuclear RNA auxiliary factor 1-like 3 (U2AF1L3), mRNA                                                   | ref | NM_144987.1 | 21450690 | uORF | Ref |
| Homo sapiens hypothetical protein MGC19780 (MGC19780), mRNA                                                                         | ref | NM_144988.2 | 41349504 | uORF | Ref |
| Homo sapiens hypothetical protein MGC26847 (MGC26847), mRNA                                                                         | ref | NM_145006.1 | 21450716 | uORF | Ref |
| Homo sapiens hypothetical protein MGC26778 (MGC26778), mRNA                                                                         | ref | NM_145010.1 | 21450720 | uORF | Ref |
| Homo sapiens hypothetical protein MGC35558 (MGC35558), mRNA                                                                         | ref | NM_145013.1 | 21450728 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ25416 (FLJ25416), mRNA                                                                         | ref | NM_145018.2 | 25072198 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ32743 (FLJ32743), mRNA                                                                         | ref | NM_145020.1 | 21450740 | uORF | Ref |
| Homo sapiens cellular modulator of immune recognition (c-MIR), mRNA                                                                 | ref | NM_145021.1 | 21450750 | uORF | Ref |
| Homo sapiens hypothetical protein MGC26954 (MGC26954), mRNA                                                                         | ref | NM_145025.1 | 21450758 | uORF | Ref |
| Homo sapiens chromosome 6 open reading frame 102 (C6orf102), mRNA                                                                   | ref | NM_145027.1 | 21450762 | uORF | Ref |
| Homo sapiens hypothetical protein MGC20235 (MGC20235), mRNA                                                                         | ref | NM_145041.1 | 21450795 | uORF | Ref |
| Homo sapiens alpha tubulin-like (MGC16703), mRNA                                                                                    | ref | NM_145042.1 | 21450789 | uORF | Ref |
| Homo sapiens nei like 2 (E. coli) (NEIL2), mRNA                                                                                     | ref | NM_145043.1 | 21450799 | uORF | Ref |
| Homo sapiens oxidized-nitro domain-containing protein (NOR1), mRNA                                                                  | ref | NM_145047.1 | 21450797 | uORF | Ref |
| Homo sapiens hypothetical protein MGC27434 (MGC27434), mRNA                                                                         | ref | NM_145050.1 | 21450811 | uORF | Ref |
| Homo sapiens hypothetical protein MGC4734 (MGC4734), mRNA                                                                           | ref | NM_145051.1 | 21450805 | uORF | Ref |
| Homo sapiens hypothetical protein MGC20470 (MGC20470), mRNA                                                                         | ref | NM_145053.1 | 21450808 | uORF | Ref |
| Homo sapiens hypothetical protein MGC12909 (MGC12909), mRNA                                                                         | ref | NM_145055.1 | 21450813 | uORF | Ref |
| Homo sapiens chromosome 13 open reading frame 3 (C13orf3), mRNA                                                                     | ref | NM_145061.1 | 21450825 | uORF | Ref |
| Homo sapiens chromosome 6 open reading frame 130 (C6orf130), mRNA                                                                   | ref | NM_145063.1 | 21450829 | uORF | Ref |
| Homo sapiens mitogen-activated protein kinase kinase 3 (MAP2K3), transcript variant B, mRNA                                         | ref | NM_145109.1 | 21618348 | uORF | Ref |
| Homo sapiens NAD(P) dependent steroid dehydrogenase-like (HSPC105), mRNA                                                            | ref | NM_145168.1 | 21553310 | uORF | Ref |
| Homo sapiens chromosome 6 open reading frame 83 (C6orf83), mRNA                                                                     | ref | NM_145169.1 | 21553316 | uORF | Ref |
| Homo sapiens DIRAS family, GTP-binding RAS-like 1 (DIRAS1), mRNA                                                                    | ref | NM_145173.1 | 21553322 | uORF | Ref |
| Homo sapiens dehydrogenase/reductase (SDR family) X-linked (DHRSX), mRNA                                                            | ref | NM_145177.1 | 21553324 | uORF | Ref |
| Homo sapiens NEDD8-specific protease 1 (SENPB), mRNA                                                                                | ref | NM_145204.1 | 21624648 | uORF | Ref |
| Homo sapiens vesicle transport through interaction with t-SNAREs homolog 1A (yeast) (VTI1A), mRNA                                   | ref | NM_145206.1 | 21624647 | uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein L30 (MRPL30), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA  | ref | NM_145212.1 | 21735603 | uORF | Ref |
| Homo sapiens similar to RNA polymerase I transcription factor RRN3 (LOC94431), mRNA                                                 | ref | NM_145237.1 | 21955121 | uORF | Ref |
| Homo sapiens chromosome 14 open reading frame 6 (C14orf6), mRNA                                                                     | ref | NM_145250.1 | 21687040 | uORF | Ref |
| Homo sapiens similar to common salivary protein 1 (LOC124220), mRNA                                                                 | ref | NM_145252.1 | 21687059 | uORF | Ref |
| Homo sapiens LOC124402 (LOC124402), mRNA                                                                                            | ref | NM_145253.1 | 21687061 | uORF | Ref |
| Homo sapiens LOC124491 (LOC124491), mRNA                                                                                            | ref | NM_145254.1 | 21687071 | uORF | Ref |
| Homo sapiens similar to RIKEN cDNA 0610011N22 (LOC133957), mRNA                                                                     | ref | NM_145265.1 | 21687126 | uORF | Ref |
| Homo sapiens similar to RIKEN cDNA 2700047N05 (LOC134492), mRNA                                                                     | ref | NM_145266.1 | 21687128 | uORF | Ref |
| Homo sapiens LOC136263 (LOC136263), mRNA                                                                                            | ref | NM_145268.1 | 21687170 | uORF | Ref |
| Homo sapiens similar to CG6405 gene product (LOC137392), mRNA                                                                       | ref | NM_145269.1 | 21687172 | uORF | Ref |
| Homo sapiens similar to hypothetical protein MGC13138 (LOC146542), mRNA                                                             | ref | NM_145271.1 | 21699073 | uORF | Ref |
| Homo sapiens kinesin light chain 2-like (KLC2L), transcript variant 2, mRNA                                                         | ref | NM_145275.1 | 21687234 | uORF | Ref |
| Homo sapiens similar to hepatocellular carcinoma-associated antigen HCA557b (LOC151194), mRNA                                       | ref | NM_145280.1 | 21687065 | uORF | Ref |
| Homo sapiens similar to hypothetical protein BC014127 (LOC158046), mRNA                                                             | ref | NM_145283.1 | 21699083 | uORF | Ref |
| Homo sapiens stomatin (EPB72)-like 3 (STOML3), mRNA                                                                                 | ref | NM_145286.1 | 21686994 | uORF | Ref |
| Homo sapiens similar to Dynein heavy chain at 16F (LOC200383), mRNA                                                                 | ref | NM_145299.1 | 21686978 | uORF | Ref |
| Homo sapiens similar to RIKEN cDNA 2310008M10 (LOC202459), mRNA                                                                     | ref | NM_145303.1 | 21687067 | uORF | Ref |
| Homo sapiens chromosome 10 open reading frame 35 (C10orf35), mRNA                                                                   | ref | NM_145306.1 | 21687152 | uORF | Ref |
| Homo sapiens RasGEF domain family, member 1A (RASGEF1A), mRNA                                                                       | ref | NM_145313.1 | 21687176 | uORF | Ref |
| Homo sapiens hypothetical protein BC018068 (LOC221044), mRNA                                                                        | ref | NM_145314.1 | 21687122 | uORF | Ref |
| Homo sapiens lactation elevated 1 (LACE1), mRNA                                                                                     | ref | NM_145315.2 | 21918871 | uORF | Ref |
| Homo sapiens ATP synthase mitochondrial F1 complex assembly factor 2 (ATPAF2), nuclear gene encoding mitochondrial protein, mRNA    | ref | NM_145691.3 | 52426740 | uORF | Ref |
| Homo sapiens cell division cycle associated 4 (CDCA4), transcript variant 2, mRNA                                                   | ref | NM_145701.1 | 22027510 | uORF | Ref |
| Homo sapiens tiger transposable element derived 1 (TIGD1), mRNA                                                                     | ref | NM_145702.1 | 22209000 | uORF | Ref |
| Homo sapiens microsomal glutathione S-transferase 1 (MGST1), transcript variant 1a, mRNA                                            | ref | NM_145792.1 | 22035637 | uORF | Ref |
| Homo sapiens GDNF family receptor alpha 1 (GFRAL), transcript variant 2, mRNA                                                       | ref | NM_145793.1 | 22035691 | uORF | Ref |
| Homo sapiens septin 6 (SEPT6), transcript variant V, mRNA                                                                           | ref | NM_145802.1 | 22035580 | uORF | Ref |
| Homo sapiens cell division cycle associated 7 (CDCA7), transcript variant 2, mRNA                                                   | ref | NM_145810.1 | 22027513 | uORF | Ref |
| Homo sapiens glutathione transferase zeta 1 (maleylacetoacetate isomerase) (GSTZ1), transcript variant 1, mRNA                      | ref | NM_145870.1 | 22202623 | uORF | Ref |
| Homo sapiens high mobility group AT-hook 1 (HMGAT1), transcript variant 1, mRNA                                                     | ref | NM_145899.1 | 22208966 | uORF | Ref |
| Homo sapiens zinc finger protein 38 (ZNF38), mRNA                                                                                   | ref | NM_145914.2 | 37537685 | uORF | Ref |
| Homo sapiens protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, beta isoform (calcineurin B, type II) (PPP3R2), mRNA | ref | NM_147180.1 | 22212895 | uORF | Ref |
| Homo sapiens WAP four-disulfide core domain 11 (WFDC11), mRNA                                                                       | ref | NM_147197.2 | 31563541 | uORF | Ref |
| Homo sapiens peptidylprolyl isomerase (cyclophilin)-like 2 (PPIL2), transcript variant 3, mRNA                                      | ref | NM_148176.1 | 22547214 | uORF | Ref |
| Homo sapiens tumor necrosis factor receptor superfamily, member 19 (TNFRSF19), transcript variant 2, mRNA                           | ref | NM_148957.2 | 31652245 | uORF | Ref |
| Homo sapiens inositol polyphosphate multikinase (IPMK), mRNA                                                                        | ref | NM_152230.2 | 42476079 | uORF | Ref |
| Homo sapiens proteasome (prosome, macropain) subunit, alpha type, 7 (PSMA7), transcript variant 2, mRNA                             | ref | NM_152255.1 | 23110947 | uORF | Ref |
| Homo sapiens dendritic cell-derived ubiquitin-like protein (DC-Ubp), mRNA                                                           | ref | NM_152277.1 | 22748634 | uORF | Ref |
| Homo sapiens arrestin domain containing 1 (ARRDC1), mRNA                                                                            | ref | NM_152285.1 | 22748652 | uORF | Ref |
| Homo sapiens hypothetical protein MGC40397 (MGC40397), mRNA                                                                         | ref | NM_152318.1 | 22748696 | uORF | Ref |
| Homo sapiens hypothetical protein MGC35169 (MGC35169), mRNA                                                                         | ref | NM_152324.1 | 22748708 | uORF | Ref |
| Homo sapiens membrane targeting (tandem) C2 domain containing 1 (MTAC2D1), mRNA                                                     | ref | NM_152332.2 | 31377583 | uORF | Ref |
| Homo sapiens progesterin and adipoQ receptor family member IV (PAQR4), mRNA                                                         | ref | NM_152341.2 | 31542755 | uORF | Ref |
| Homo sapiens IQ motif containing F1 (IQCF1), mRNA                                                                                   | ref | NM_152397.1 | 22748846 | uORF | Ref |
| Homo sapiens chromosome 9 open reading frame 41 (C9orf41), mRNA                                                                     | ref | NM_152420.1 | 22748888 | uORF | Ref |
| Homo sapiens hypothetical protein MGC20262 (MGC20262), mRNA                                                                         | ref | NM_152421.2 | 34303930 | uORF | Ref |
| Homo sapiens F-box and leucine-rich repeat protein 14 (FBXL14), mRNA                                                                | ref | NM_152441.1 | 22748930 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ10661 (FLJ10661), mRNA                                                                         | ref | NM_152563.1 | 24211014 | uORF | Ref |
| Homo sapiens chromosome 9 open reading frame 98 (C9orf98), mRNA                                                                     | ref | NM_152572.2 | 31377569 | uORF | Ref |
| Homo sapiens family with sequence similarity 46, member D (FAM46D), mRNA                                                            | ref | NM_152630.2 | 34303945 | uORF | Ref |
| Homo sapiens chromosome 12 open reading frame 12 (C12orf12), mRNA                                                                   | ref | NM_152638.2 | 34303946 | uORF | Ref |
| Homo sapiens Ral GEF with PH domain and SH3 binding motif 2 (RALGPS2), mRNA                                                         | ref | NM_152663.2 | 32441282 | uORF | Ref |
| Homo sapiens phosphatidylinositol-3-phosphate/phosphatidylinositol 5-kinase, type III (PIPK3), mRNA                                 | ref | NM_152671.2 | 50881948 | uORF | Ref |
| Homo sapiens zinc finger and SCAN domain containing 4 (ZSCAN4), mRNA                                                                | ref | NM_152677.1 | 22749364 | uORF | Ref |
| Homo sapiens KH domain containing RNA binding, signal transduction associated 2 (KHDRBS2), mRNA                                     | ref | NM_152688.1 | 22749380 | uORF | Ref |
| Homo sapiens hypothetical protein MGC26647 (MGC26647), mRNA                                                                         | ref | NM_152706.2 | 34303950 | uORF | Ref |
| Homo sapiens chromosome 6 open reading frame 89 (C6orf89), mRNA                                                                     | ref | NM_152734.2 | 47271470 | uORF | Ref |
| Homo sapiens zinc finger protein 187 (ZNF187), mRNA                                                                                 | ref | NM_152736.2 | 34303952 | uORF | Ref |

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| Homo sapiens hypothetical protein MGC35043 (MGC35043), mRNA                                                                        | ref | NM_152770.1 | 22749508 | uORF | Ref |
| Homo sapiens hypothetical protein MGC40368 (MGC40368), mRNA                                                                        | ref | NM_152772.1 | 22749516 | uORF | Ref |
| Homo sapiens germinal center expressed transcript 2 (GCET2), transcript variant 1, mRNA                                            | ref | NM_152785.3 | 57165367 | uORF | Ref |
| Homo sapiens chromosome 9 open reading frame 43 (C9orf43), mRNA                                                                    | ref | NM_152786.1 | 22749538 | uORF | Ref |
| Homo sapiens hypothetical protein MGC40405 (MGC40405), mRNA                                                                        | ref | NM_152789.1 | 22749542 | uORF | Ref |
| Homo sapiens phosphatidylinositol glycan, class O (PIGO), transcript variant 2, mRNA                                               | ref | NM_152850.2 | 38045916 | uORF | Ref |
| Homo sapiens chromosome 20 open reading frame 58 (C20orf58), mRNA                                                                  | ref | NM_152864.2 | 42476063 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ37078 (FLJ37078), mRNA                                                                        | ref | NM_153043.3 | 45433553 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ33318 (FLJ33318), mRNA                                                                        | ref | NM_153229.1 | 23397497 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ38101 (FLJ38101), mRNA                                                                        | ref | NM_153281.3 | 37059796 | uORF | Ref |
| Homo sapiens hypothetical protein MGC32065 (MGC32065), mRNA                                                                        | ref | NM_153271.1 | 23397573 | uORF | Ref |
| Homo sapiens solute carrier family 22 (organic anion transporter), member 6 (SLC22A6), transcript variant 2, mRNA                  | ref | NM_153276.1 | 24497475 | uORF | Ref |
| Homo sapiens solute carrier family 22 (organic anion transporter), member 7 (SLC22A7), transcript variant 2, mRNA                  | ref | NM_153320.1 | 24497494 | uORF | Ref |
| Homo sapiens 3' exonuclease (3'EXO), mRNA                                                                                          | ref | NM_153332.2 | 31543183 | uORF | Ref |
| Homo sapiens pseudouridylate synthase-like 1 (PUSL1), mRNA                                                                         | ref | NM_153339.1 | 23503258 | uORF | Ref |
| Homo sapiens chromosome 6 open reading frame 141 (C6orf141), mRNA                                                                  | ref | NM_153344.1 | 23503276 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ90586 (FLJ90586), mRNA                                                                        | ref | NM_153345.1 | 23503270 | uORF | Ref |
| Homo sapiens chromosome X open reading frame 20 (CXorf20), mRNA                                                                    | ref | NM_153346.2 | 34222211 | uORF | Ref |
| Homo sapiens hypothetical protein MGC39520 (MGC39520), mRNA                                                                        | ref | NM_153364.1 | 23503300 | uORF | Ref |
| Homo sapiens mediator of RNA polymerase II transcription, subunit 19 homolog (yeast) (MED19), mRNA                                 | ref | NM_153450.1 | 23592231 | uORF | Ref |
| Homo sapiens synaptonemal complex protein 3 (SYCP3), mRNA                                                                          | ref | NM_153694.3 | 50345249 | uORF | Ref |
| Homo sapiens hypothetical protein MGC40168 (MGC40168), mRNA                                                                        | ref | NM_153709.1 | 24308423 | uORF | Ref |
| Homo sapiens RAS guanyl releasing protein 4 (RASGRP4), transcript variant 1, mRNA                                                  | ref | NM_170603.1 | 26051255 | uORF | Ref |
| Homo sapiens Meis 1, myeloid ecotropic viral integration site 1 homolog 2 (mouse) (MEIS2), transcript variant d, mRNA              | ref | NM_170676.2 | 27502378 | uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein L54 (MRPL54), nuclear gene encoding mitochondrial protein, mRNA                       | ref | NM_172251.1 | 27436907 | uORF | Ref |
| Homo sapiens Kv channel interacting protein 2 (KCNP2), transcript variant 2, mRNA                                                  | ref | NM_173191.2 | 50557653 | uORF | Ref |
| Homo sapiens Kv channel interacting protein 2 (KCNP2), transcript variant 5, mRNA                                                  | ref | NM_173194.2 | 50557651 | uORF | Ref |
| Homo sapiens MOB1, Mps One Binder kinase activator-like 1A (yeast) (MOBK1A), mRNA                                                  | ref | NM_173468.2 | 41406062 | uORF | Ref |
| Homo sapiens hypothetical protein MGC48972 (MGC48972), mRNA                                                                        | ref | NM_173475.1 | 27735046 | uORF | Ref |
| Homo sapiens hypothetical protein LOC132321 (LOC132321), mRNA                                                                      | ref | NM_173487.1 | 27735074 | uORF | Ref |
| Homo sapiens chromosome X open reading frame 41 (CXorf41), mRNA                                                                    | ref | NM_173494.1 | 33859792 | uORF | Ref |
| Homo sapiens hypothetical protein MGC34646 (MGC34646), mRNA                                                                        | ref | NM_173519.1 | 27734848 | uORF | Ref |
| Homo sapiens hypothetical protein LOC222967 (LOC222967), mRNA                                                                      | ref | NM_173565.1 | 27734854 | uORF | Ref |
| Homo sapiens chromosome 14 open reading frame 80 (C14orf80), mRNA                                                                  | ref | NM_173608.1 | 27734692 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ90652 (FLJ90652), mRNA                                                                        | ref | NM_173618.1 | 27734726 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ35808 (FLJ35808), mRNA                                                                        | ref | NM_173623.1 | 27734745 | uORF | Ref |
| Homo sapiens keratinocyte associated protein 2 (KRTCAP2), mRNA                                                                     | ref | NM_173852.3 | 56676325 | uORF | Ref |
| Homo sapiens hypothetical protein MGC39681 (MGC39681), mRNA                                                                        | ref | NM_174939.2 | 31341399 | uORF | Ref |
| Homo sapiens NADH dehydrogenase (ubiquinone) 1, 14.7kDa (NDUFA11), mRNA                                                            | ref | NM_175614.2 | 46370098 | uORF | Ref |
| Homo sapiens synaptotagmin IX (SYT9), mRNA                                                                                         | ref | NM_175733.2 | 31342257 | uORF | Ref |
| Homo sapiens zinc binding alcohol dehydrogenase, domain containing 2 (ZADH2), mRNA                                                 | ref | NM_175907.3 | 51036599 | uORF | Ref |
| Homo sapiens hypothetical protein MGC42630 (MGC42630), mRNA                                                                        | ref | NM_175923.2 | 31341688 | uORF | Ref |
| Homo sapiens mitochondrial ribosomal protein L43 (MRPL43), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA | ref | NM_176792.1 | 28872731 | uORF | Ref |
| Homo sapiens LIM homeobox transcription factor 1, alpha (LMX1A), transcript variant 6A, mRNA                                       | ref | NM_177398.1 | 28893580 | uORF | Ref |
| Homo sapiens N-acylsphingosine amidohydrolase (acid ceramidase) 1 (ASAH1), transcript variant 1, mRNA                              | ref | NM_177924.1 | 30089927 | uORF | Ref |
| Homo sapiens hypoxia-inducible factor prolyl 4-hydroxylase (PH-4), mRNA                                                            | ref | NM_177938.1 | 34222253 | uORF | Ref |
| Homo sapiens erythrocyte membrane protein band 4.1-like 1 (EPB41L1), transcript variant 2, mRNA                                    | ref | NM_177996.1 | 30061490 | uORF | Ref |
| Homo sapiens hyaluronan and proteoglycan link protein 3 (HAPLN3), mRNA                                                             | ref | NM_178232.2 | 32455240 | uORF | Ref |
| Homo sapiens similar to BcDNAGH11415 gene product (LOC151963), mRNA                                                                | ref | NM_178496.2 | 31341922 | uORF | Ref |
| Homo sapiens hypothetical protein MGC35206 (MGC35206), mRNA                                                                        | ref | NM_178552.2 | 31341712 | uORF | Ref |
| Homo sapiens melanocortin 2 receptor accessory protein (MRAP), transcript variant 1, mRNA                                          | ref | NM_178817.3 | 45827702 | uORF | Ref |
| Homo sapiens chemokine-like factor super family 4 (CKLFSF4), transcript variant 1, mRNA                                            | ref | NM_178818.2 | 31343534 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ25955 (FLJ25955), mRNA                                                                        | ref | NM_178821.1 | 32189424 | uORF | Ref |
| Homo sapiens chromosome 10 open reading frame 83 (C10orf83), mRNA                                                                  | ref | NM_178832.2 | 31341691 | uORF | Ref |
| Homo sapiens hypothetical protein BC009732 (LOC133308), mRNA                                                                       | ref | NM_178833.3 | 47271478 | uORF | Ref |
| Homo sapiens peroxiredoxin 2 (PRDX2), nuclear gene encoding mitochondrial protein, transcript variant 3, mRNA                      | ref | NM_181738.1 | 33188453 | uORF | Ref |
| Homo sapiens START domain containing 5 (STARD5), transcript variant 1, mRNA                                                        | ref | NM_181900.2 | 38569455 | uORF | Ref |
| Homo sapiens calcium binding protein 7 (CABP7), mRNA                                                                               | ref | NM_182527.1 | 32698883 | uORF | Ref |
| Homo sapiens hypothetical protein MGC21830 (MGC21830), mRNA                                                                        | ref | NM_182563.2 | 34222374 | uORF | Ref |
| Homo sapiens hypothetical protein LOC348840 (LOC348840), mRNA                                                                      | ref | NM_182631.1 | 32699069 | uORF | Ref |
| Homo sapiens SFRS protein kinase 2 (SRPK2), transcript variant 2, mRNA                                                             | ref | NM_182691.1 | 33188446 | uORF | Ref |
| Homo sapiens hypothetical protein FLJ39155 (FLJ39155), transcript variant 4, mRNA                                                  | ref | NM_182801.1 | 33469936 | uORF | Ref |
| Homo sapiens chromosome 1 open reading frame 36 (C1orf36), mRNA                                                                    | ref | NM_183059.1 | 34098969 | uORF | Ref |
| Homo sapiens hypothetical protein LOC286257 (LOC286257), mRNA                                                                      | ref | NM_183241.1 | 39930540 | uORF | Ref |
| Homo sapiens IMP (inosine monophosphate) dehydrogenase 1 (IMPDH1), transcript variant 2, mRNA                                      | ref | NM_183243.1 | 34328927 | uORF | Ref |
| Homo sapiens chromosome 6 open reading frame 145 (C6orf145), mRNA                                                                  | ref | NM_183373.2 | 42476062 | uORF | Ref |
| Homo sapiens hypothetical protein HSPC268 (HSPC268), mRNA                                                                          | ref | NM_197964.1 | 37537547 | uORF | Ref |
| Homo sapiens dehydrogenase/reductase (SDR family) member 4 like 2 (DHRS4L2), mRNA                                                  | ref | NM_198083.1 | 37693520 | uORF | Ref |
| Homo sapiens chromosome 7 open reading frame 28B (C7orf28B), mRNA                                                                  | ref | NM_198097.1 | 37674288 | uORF | Ref |
| Homo sapiens MAX-like protein X (MLX), transcript variant 2, mRNA                                                                  | ref | NM_198204.1 | 38201611 | uORF | Ref |
| Homo sapiens RAB43, member RAS oncogene family (RAB43), mRNA                                                                       | ref | NM_198490.1 | 50234888 | uORF | Ref |
| Homo sapiens FLJ00332 protein (FLJ00332), mRNA                                                                                     | ref | NM_198517.2 | 48762676 | uORF | Ref |
| Homo sapiens FLJ44216 protein (FLJ44216), mRNA                                                                                     | ref | NM_198567.1 | 38348409 | uORF | Ref |
| Homo sapiens nudix (nucleoside diphosphate linked moiety X)-type motif 1 (NUDT1), transcript variant 2B, mRNA                      | ref | NM_198949.1 | 40288277 | uORF | Ref |
| Homo sapiens brain and reproductive organ-expressed (TNFRSF1A modulator) (BRE), transcript variant 3, mRNA                         | ref | NM_199191.1 | 40353760 | uORF | Ref |
| Homo sapiens apoptosis-inducing, TAF9-like domain 1 (APTID1), transcript variant A, mRNA                                           | ref | NM_199294.1 | 41327702 | uORF | Ref |
| Homo sapiens protein phosphatase 2 (formerly 2A), regulatory subunit B', beta (PPP2R3B), transcript variant 2, mRNA                | ref | NM_199326.1 | 41349490 | uORF | Ref |
| Homo sapiens claudin 8 (CLDN8), mRNA                                                                                               | ref | NM_199328.1 | 40788010 | uORF | Ref |
| Homo sapiens U-box domain containing 5 (UBOX5), transcript variant 2, mRNA                                                         | ref | NM_199415.1 | 40806195 | uORF | Ref |
| Homo sapiens growth arrest-specific 7 (GAS7), transcript variant b, mRNA                                                           | ref | NM_201432.1 | 41406077 | uORF | Ref |
| Homo sapiens SA hypertension-associated homolog (rat) (SAH), transcript variant 2, mRNA                                            | ref | NM_202000.2 | 47458817 | uORF | Ref |
| Homo sapiens recombining binding protein suppressor of hairless (Drosophila) (RBP5UH), transcript variant 4, mRNA                  | ref | NM_203284.1 | 42560222 | uORF | Ref |
| Homo sapiens early estrogen-induced gene 1 protein (EEIG1), mRNA                                                                   | ref | NM_203305.1 | 42558263 | uORF | Ref |
| Homo sapiens 5-azacytidine induced 2 (AZI2), transcript variant 2, mRNA                                                            | ref | NM_203326.1 | 42716304 | uORF | Ref |
| Homo sapiens zinc finger protein 265 (ZNF265), transcript variant 1, mRNA                                                          | ref | NM_203350.1 | 42741683 | uORF | Ref |
| Homo sapiens similar to RIKEN cDNA 6530418L21 (LOC389119), mRNA                                                                    | ref | NM_203370.1 | 42766423 | uORF | Ref |
| Homo sapiens hypothetical gene supported by BC046200 (LOC388407), mRNA                                                             | ref | NM_203425.1 | 44662806 | uORF | Ref |
| Homo sapiens hypothetical protein MGC26594 (MGC26594), mRNA                                                                        | ref | NM_203454.1 | 44888830 | uORF | Ref |
| Homo sapiens chromosome 6 open reading frame 201 (C6orf201), mRNA                                                                  | ref | NM_206834.1 | 45597461 | uORF | Ref |
| Homo sapiens reticulon 1 (RTN1), transcript variant 3, mRNA                                                                        | ref | NM_206852.1 | 45827775 | uORF | Ref |
| Homo sapiens hypothetical protein LOC196394 (LOC196394), mRNA                                                                      | ref | NM_207337.1 | 46559738 | uORF | Ref |
| Homo sapiens similar to FRG1 protein (FSHD region gene 1 protein) (MGC72104), mRNA                                                 | ref | NM_207350.1 | 46409333 | uORF | Ref |
| Homo sapiens arylacetamide deacetylase-like 2 (AADACL2), mRNA                                                                      | ref | NM_207365.1 | 46409353 | uORF | Ref |
| Homo sapiens similar to expressed sequence A1593442 (LOC399947), mRNA                                                              | ref | NM_207645.1 | 46559746 | uORF | Ref |
| Homo sapiens G protein pathway suppressor 1 (GPS1), transcript variant 1, mRNA                                                     | ref | NM_212492.1 | 47078237 | uORF | Ref |
| Homo sapiens MGC50273 protein (MGC50273), mRNA                                                                                     | ref | NM_214461.1 | 47551355 | uORF | Ref |
| PREDICTED Homo sapiens hypothetical protein MGC35030 (MGC35030), mRNA                                                              | ref | XM_280936.2 | 42655993 | uORF | Ref |
| PREDICTED Homo sapiens KIAA1826 protein (KIAA1826), mRNA                                                                           | ref | XM_370653.2 | 42655953 | uORF | Ref |
| PREDICTED Homo sapiens hypothetical protein BC017488 (LOC124446), mRNA                                                             | ref | XM_378175.2 | 51472875 | uORF | Ref |
| PREDICTED Homo sapiens hypothetical gene supported by NM_153241 (LOC442774), mRNA                                                  | ref | XM_499573.1 | 51464527 | uORF | Ref |
| Homo sapiens insulin receptor-related receptor (INSRR), mRNA                                                                       | ref | NM_014215.1 | 31657139 | N/A  | MGQ |
| Homo sapiens myosin light chain kinase (MLCK) (LOC91807), mRNA                                                                     | ref | NM_182493.1 | 32698825 | N/A  | MGQ |
| Homo sapiens mitogen-activated protein kinase kinase kinase 9 (MAP3K9), mRNA                                                       | ref | XM_027237.7 | 41203734 | N/A  | MGQ |
| Homo sapiens insulin receptor (INSR), mRNA                                                                                         | ref | NM_000208.1 | 4557883  | N/A  | Ref |
| Homo sapiens Janus kinase 3 (a protein tyrosine kinase, leukocyte) (JAK3), mRNA                                                    | ref | NM_000215.1 | 4557680  | N/A  | Ref |
| Homo sapiens mitogen-activated protein kinase 14 (MAPK14), transcript variant 1, mRNA                                              | ref | NM_001315.1 | 4503068  | N/A  | Ref |
| Homo sapiens death-associated protein kinase 3 (DAPK3), mRNA                                                                       | ref | NM_001348.1 | 4557510  | N/A  | Ref |
| Homo sapiens fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor) (FLT1), mRNA | ref | NM_002019.1 | 4503748  | N/A  | Ref |
| Homo sapiens fyn-related kinase (FRK), mRNA                                                                                        | ref | NM_002031.1 | 4503786  | N/A  | Ref |
| Homo sapiens G protein-coupled receptor kinase 6 (GRK6), mRNA                                                                      | ref | NM_002082.1 | 4504100  | N/A  | Ref |
| Homo sapiens mitogen-activated protein kinase kinase kinase 11 (MAP3K11), mRNA                                                     | ref | NM_002419.2 | 21735553 | N/A  | Ref |
| Homo sapiens mitogen-activated protein kinase kinase kinase 10 (MAP3K10), mRNA                                                     | ref | NM_002446.2 | 21735549 | N/A  | Ref |
| Homo sapiens NIMA (never in mitosis gene a)-related kinase 3 (NEK3), transcript variant 1, mRNA                                    | ref | NM_002498.1 | 23510390 | N/A  | Ref |
| Homo sapiens v-ros UR2 sarcoma virus oncogene homolog 1 (avian) (ROS1), mRNA                                                       | ref | NM_002944.2 | 19924164 | N/A  | Ref |
| Homo sapiens aurora kinase C (AURKC), mRNA                                                                                         | ref | NM_003160.1 | 4507272  | N/A  | Ref |
| Homo sapiens TTK protein kinase (TTK), mRNA                                                                                        | ref | NM_003318.3 | 34303964 | N/A  | Ref |
| Homo sapiens WEE1 homolog (S. pombe) (WEE1), mRNA                                                                                  | ref | NM_003390.2 | 19718775 | N/A  | Ref |
| Homo sapiens dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3 (DYRK3), mRNA                                        | ref | NM_003582.1 | 4503428  | N/A  | Ref |
| Homo sapiens CDC-like kinase 3 (CLK3), transcript variant pclk3, mRNA                                                              | ref | NM_003992.1 | 4502884  | N/A  | Ref |
| Homo sapiens polo-like kinase 3 (Drosophila) (PLK3), mRNA                                                                          | ref | NM_004073.2 | 41872373 | N/A  | Ref |
| Homo sapiens anaplastic lymphoma kinase (Ki-1) (ALK), mRNA                                                                         | ref | NM_004304.3 | 29029631 | N/A  | Ref |
| Homo sapiens v-raf murine sarcoma viral oncogene homolog B1 (BRAF), mRNA                                                           | ref | NM_004333.1 | 4757867  | N/A  | Ref |
| Homo sapiens casein kinase 1, gamma 3 (CSNK1G3), mRNA                                                                              | ref | NM_004384.1 | 4758079  | N/A  | Ref |
| Homo sapiens dystrophin myotonic-protein kinase (DMPK), mRNA                                                                       | ref | NM_004409.1 | 4758173  | N/A  | Ref |
| Homo sapiens EphA4 (EPHA4), mRNA                                                                                                   | ref | NM_004438.1 | 4758279  | N/A  | Ref |

|                                                                                                                                                          |         |             |         |          |     |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------|---------|----------|-----|------|
| Homo sapiens EPH receptor A5 (EPHA5), transcript variant 1, mRNA                                                                                         | ref     | NM_004439.4 |         | 56119208 | N/A | Ref  |
| Homo sapiens EphA7 (EPHA7), mRNA                                                                                                                         | ref     | NM_004440.1 |         | 4758281  | N/A | Ref  |
| Homo sapiens ribosomal protein S6 kinase, 90kDa, polypeptide 5 (RPS6KA5), transcript variant 1, mRNA                                                     | ref     | NM_004755.2 |         | 32528294 | N/A | Ref  |
| Homo sapiens serine/threonine kinase 17a (apoptosis-inducing) (STK17A), mRNA                                                                             | ref     | NM_004760.1 |         | 4758191  | N/A | Ref  |
| Homo sapiens thousand and one amino acid protein kinase (TAO1), mRNA                                                                                     | ref     | NM_004783.1 |         | 4759207  | N/A | Ref  |
| Homo sapiens Rho-associated, coiled-coil containing protein kinase 2 (ROCK2), mRNA                                                                       | ref     | NM_004850.2 |         | 6633807  | N/A | Ref  |
| Homo sapiens protein kinase, X-linked (PRKX), mRNA                                                                                                       | ref     | NM_005044.1 |         | 4826947  | N/A | Ref  |
| Homo sapiens adrenergic, beta, receptor kinase 2 (ADRBK2), mRNA                                                                                          | ref     | NM_005160.2 |         | 6138972  | N/A | Ref  |
| Homo sapiens EphA1 (EPHA1), mRNA                                                                                                                         | ref     | NM_005232.1 |         | 4885208  | N/A | Ref  |
| Homo sapiens G protein-coupled receptor kinase 5 (GRK5), mRNA                                                                                            | ref     | NM_005308.2 |         | 51896033 | N/A | Ref  |
| Homo sapiens Rho-associated, coiled-coil containing protein kinase 1 (ROCK1), mRNA                                                                       | ref     | NM_005406.1 |         | 4885582  | N/A | Ref  |
| Homo sapiens IL2-inducible T-cell kinase (ITK), mRNA                                                                                                     | ref     | NM_005546.3 |         | 21614548 | N/A | Ref  |
| Homo sapiens muscle, skeletal, receptor tyrosine kinase (MUSK), mRNA                                                                                     | ref     | NM_005592.1 |         | 5031926  | N/A | Ref  |
| Homo sapiens discoidin domain receptor family, member 2 (DDR2), mRNA                                                                                     | ref     | NM_006182.1 |         | 5453813  | N/A | Ref  |
| Homo sapiens protein kinase, cGMP-dependent, type II (PRKG2), mRNA                                                                                       | ref     | NM_006259.1 |         | 5453977  | N/A | Ref  |
| Homo sapiens serine/threonine kinase 4 (STK4), mRNA                                                                                                      | ref     | NM_006282.1 |         | 5454095  | N/A | Ref  |
| Homo sapiens TYRO3 protein tyrosine kinase (TYRO3), mRNA                                                                                                 | ref     | NM_006293.2 |         | 27597077 | N/A | Ref  |
| Homo sapiens mitogen-activated protein kinase kinase kinase kinase 5 (MAP4K5), mRNA                                                                      | ref     | NM_006575.2 |         | 14589908 | N/A | Ref  |
| Homo sapiens mitogen-activated protein kinase kinase kinase 2 (MAP3K2), mRNA                                                                             | ref     | NM_006609.2 |         | 21735555 | N/A | Ref  |
| Homo sapiens serine/threonine kinase 23 (STK23), mRNA                                                                                                    | ref     | NM_014370.1 |         | 7657628  | N/A | Ref  |
| Homo sapiens Ste20-related serine/threonine kinase (SLK), mRNA                                                                                           | ref     | NM_014720.1 |         | 7661993  | N/A | Ref  |
| Homo sapiens PAS domain containing serine/threonine kinase (PASK), mRNA                                                                                  | ref     | NM_015148.1 |         | 8923825  | N/A | Ref  |
| Homo sapiens Mismatch/NK-related kinase (MINK), mRNA                                                                                                     | ref     | NM_015716.1 |         | 7657334  | N/A | Ref  |
| Homo sapiens STE20-like kinase (JNK), mRNA                                                                                                               | ref     | NM_016281.2 |         | 19923463 | N/A | Ref  |
| Homo sapiens protein kinase D2 (PRKD2), mRNA                                                                                                             | ref     | NM_016457.2 |         | 19923467 | N/A | Ref  |
| Homo sapiens Met3 and SOK1-related kinase (MST4), mRNA                                                                                                   | ref     | NM_016542.2 |         | 15011879 | N/A | Ref  |
| Homo sapiens sterile alpha motif and leucine zipper containing kinase AZK (ZAK), mRNA                                                                    | ref     | NM_016653.1 |         | 7706600  | N/A | Ref  |
| Homo sapiens EphA8 (EPHA8), mRNA                                                                                                                         | ref     | NM_020526.2 |         | 18201903 | N/A | Ref  |
| Homo sapiens CDC-like kinase 4 (CLK4), mRNA                                                                                                              | ref     | NM_020666.1 |         | 10190705 | N/A | Ref  |
| Homo sapiens ret proto-oncogene (multiple endocrine neoplasia and medullary thyroid carcinoma 1, Hirschsprung disease) (RET), transcript variant 2, mRNA | ref     | NM_020975.2 |         | 21536315 | N/A | Ref  |
| Homo sapiens MAP/microtubule affinity-regulating kinase like 1 (MARKL1), mRNA                                                                            | ref     | NM_031417.1 |         | 13899224 | N/A | Ref  |
| Homo sapiens myosin light chain kinase 2, skeletal muscle (MYLK2), mRNA                                                                                  | ref     | NM_033118.2 |         | 17136076 | N/A | Ref  |
| Homo sapiens NIMA (never in mitosis gene a)-related kinase 7 (NEK7), mRNA                                                                                | ref     | NM_133494.1 |         | 19424131 | N/A | Ref  |
| Homo sapiens G protein-coupled receptor kinase 7 (GRK7), mRNA                                                                                            | ref     | NM_139209.1 |         | 21166358 | N/A | Ref  |
| Homo sapiens PTK2 protein tyrosine kinase 2 (PTK2), transcript variant 1, mRNA                                                                           | ref     | NM_153831.2 |         | 27886591 | N/A | Ref  |
| Homo sapiens SFRS protein kinase 2 (SRPK2), transcript variant 1, mRNA                                                                                   | ref     | NM_182892.1 |         | 33188448 | N/A | Ref  |
| Homo sapiens G protein-coupled receptor kinase 4 (GRK4), transcript variant 1, mRNA                                                                      | ref     | NM_182892.2 |         | 51873042 | N/A | Ref  |
| B-Raf proto-oncogene serine/threonine-protein kinase (p94) (v-Raf murine sarcoma viral oncogene homolog B1), mutant isoform V599E                        | ref     | NP_004324.1 |         | 33188459 | N/A | Ref  |
| Homo sapiens epidermal growth factor receptor (erthroblastic leukemia viral (v-erb-b) oncogene homolog, avian) (EGFR), mutant isoform L861Q              | ref     | NP_005219.2 |         | 29725609 | N/A | Ref  |
| Goat anti-human-IgG                                                                                                                                      | PM_1093 | PM_1093     | CTL1093 | IVGN     | Ext | IVGN |
| Influenza A                                                                                                                                              | PM_1094 | PM_1094     | CTL1094 | IVGN     | Ext | IVGN |
| VIMENTIN - known Autoantigen                                                                                                                             | PM_2102 | PM_2102     | CTL2102 | IVGN     | Ext | IVGN |
| U1-sRNP 68 PROTEIN - known Autoantigen                                                                                                                   | PM_2105 | PM_2105     | CTL2105 | IVGN     | Ext | IVGN |
| La/SS-B (La) - known Autoantigen                                                                                                                         | PM_2106 | PM_2106     | CTL2106 | IVGN     | Ext | IVGN |
| RNP COMPLEX - known Autoantigen                                                                                                                          | PM_2108 | PM_2108     | CTL2108 | IVGN     | Ext | IVGN |
| UNFRAC. WHOLE HISTONE - known Autoantigen                                                                                                                | PM_2109 | PM_2109     | CTL2109 | IVGN     | Ext | IVGN |
| DNA TOPOISOMERASE(Scl-70) - known Autoantigen                                                                                                            | PM_2110 | PM_2110     | CTL2110 | IVGN     | Ext | IVGN |
| H2a(f2a2) - known Autoantigen                                                                                                                            | PM_2111 | PM_2111     | CTL2111 | IVGN     | Ext | IVGN |
| ssDNA - known Autoantigen                                                                                                                                | PM_2112 | PM_2112     | CTL2112 | IVGN     | Ext | IVGN |
| CENTROMERE PRO B - known Autoantigen                                                                                                                     | PM_2113 | PM_2113     | CTL2113 | IVGN     | Ext | IVGN |
| TRANSGLUTAMINASE - known Autoantigen                                                                                                                     | PM_2114 | PM_2114     | CTL2114 | IVGN     | Ext | IVGN |
| RIBOSOMAL RNA - known Autoantigen                                                                                                                        | PM_2115 | PM_2115     | CTL2115 | IVGN     | Ext | IVGN |
| JO-1 - known Autoantigen                                                                                                                                 | PM_2116 | PM_2116     | CTL2116 | IVGN     | Ext | IVGN |
| dsDNA - known Autoantigen                                                                                                                                | PM_2117 | PM_2117     | CTL2117 | IVGN     | Ext | IVGN |
| CARDIOLIPIN - known Autoantigen                                                                                                                          | PM_2118 | PM_2118     | CTL2118 | IVGN     | Ext | IVGN |
| THYROGLOBIN - known Autoantigen                                                                                                                          | PM_2119 | PM_2119     | CTL2119 | IVGN     | Ext | IVGN |
| SMITH ANTIGEN (SM) - known Autoantigen                                                                                                                   | PM_2120 | PM_2120     | CTL2120 | IVGN     | Ext | IVGN |
| Ro-52 - known Autoantigen                                                                                                                                | PM_2121 | PM_2121     | CTL2121 | IVGN     | Ext | IVGN |
| RNA POLYMERASE - known Autoantigen                                                                                                                       | PM_2122 | PM_2122     | CTL2122 | IVGN     | Ext | IVGN |
| PYRUVATE DEHYDROGENASE - known Autoantigen                                                                                                               | PM_2123 | PM_2123     | CTL2123 | IVGN     | Ext | IVGN |